from google.colab import files

import cv2

import numpy as np

from matplotlib import pyplot as plt

# Step 1: Upload the image

uploaded = files.upload() # This opens a file picker

# Step 2: Read the uploaded image

image\_filename = next(iter(uploaded))

image = cv2.imdecode(np.frombuffer(uploaded[image\_filename], np.uint8), cv2.IMREAD\_COLOR)

# Step 3: Apply Gaussian Blur

# The (15, 15) is the kernel size — you can increase it for more blur

blurred\_image = cv2.GaussianBlur(image, (15, 15), 0)

# Step 4: Display the original and blurred images

plt.figure(figsize=(10, 5))

plt.subplot(1, 2, 1)

plt.imshow(cv2.cvtColor(image, cv2.COLOR\_BGR2RGB))

plt.title('Original Image')

plt.axis('off')

plt.subplot(1, 2, 2)

plt.imshow(cv2.cvtColor(blurred\_image, cv2.COLOR\_BGR2RGB))

plt.title('Blurred Image (GaussianBlur)')

plt.axis('off')

plt.tight\_layout()

plt.show()

