CODE

# Importing the modules

import cv2

import numpy as np

# Reading the image

image = cv2.imread('C:/Users/student/Downloads/image.jfif')

# Applying the filter

averageBlur = cv2.blur(image, (5, 5))

gaussian = cv2.GaussianBlur(image, (3, 3), 0)

medianBlur = cv2.medianBlur(image, 9)

bilateral = cv2.bilateralFilter(image, 9, 75, 75)

# Showing the image

cv2.imshow('Original', image)

cv2.imshow('Average blur', averageBlur)

cv2.imshow('Gaussian blur', gaussian)

cv2.imshow('Median blur', medianBlur)

cv2.imshow('Bilateral blur', bilateral)

cv2.waitKey()

cv2.destroyAllWindows()

OUTPUT

|  |  |
| --- | --- |
| ORIGINAL IMAGE | |
| AVERAGE BLUR | GAUSSIAN BLUR |
| MEDIAN BLUR | BILATERAL BLUR |