Code:

clc

clear all

close all

% upload image

cd images

[J P]=uigetfile('\*.\*','Select Input Image');

I=imread(strcat(P,J));

cd ..

subplot(231),imshow(I),title('Input Image')

% add speckle noise

Ispkl=imnoise(I,'speckle');title('Speckle Noise')

% --- Executes on button press in pushbutton3.

subplot(232),imshow(Ispkl),title('Speckle Noise')

% wiener filter

K = wiener2(Ispkl,[5 5]);

K=imsharpen(K);

subplot(233),imshow(K),title('Wiener Filter')

% gaussian noise

Igauss=imnoise(I,'gaussian');

% --- Executes on button press in pushbutton3.

subplot(234),imshow(Igauss),title('Gaussian Noise')

%gaussian filter

Igaussfilt = imgaussfilt(Igauss,2);

Igaussfilt=imsharpen(Igaussfilt);

subplot(235),imshow(Igaussfilt),title('Gaussian Filter')

suptitle('Noise Removal in Image Processing')

**Output:**

