

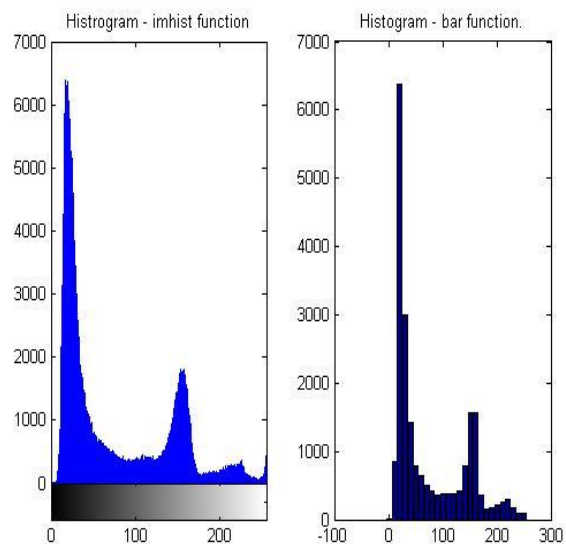
Experiment 18

Image Histogram

```
clc;  
clear all;  
close all;
```

Reading image (grayscale)

```
I = imread('myself.jpg');  
I = rgb2gray(I);  
  
imshow(I),title('Input Image');  
h = imhist(I,256);  
figure  
subplot(121),imhist(I),title('Histogram - imhist function'),ylim('auto');  
  
%Plotting using bar function  
h1 = h(1:10:256);  
horz = 1:10:256;  
  
subplot(122),bar(horz,h1),title('Histogram - bar function.');
```



Conclusion

Imhist() function plotting the intensities of a gray scale image successfully.