

```
[20] # Plot histograms
plt.subplot(2, 3, 6), plt.hist(gaussian_filtered_image.ravel(), 256, [0, 256])
plt.title('Histogram')
plt.show()
```

```
150000 - 100000 - 50000 - 0 100 200
```

[21] # Step 6: Detection of Edges (Canny Edge Detection)
edges = cv2.Canny(gaussian_filtered_image, 100, 200)

```
[22] # Display the edges
    plt.figure(figsize=(6, 6))
    plt.imshow(edges, cmap='gray')
    plt.title('Edge Detection (Canny)')
    plt.xticks([]), plt.yticks([])
    plt.show()
```





