



Estd: 1947

# Walchand College Of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli, 416415

## EXPERIMENT-8

---

**Academic Year:** 2021-22

**Semester:** 6th

**Course:** Digital Image Processing Lab

**Course Code:** 5EN374

**Name:** Durvesh Naresh Patil

**Roll No.** 2019BTEEN00035

**Batch:** EN-1

**Performed on:** 09/02/2022

---

**TITLE OF EXPERIMENT:** Study of histogram equalization of an image using MATLAB.

**AIM:** To study histogram equalization of an image using MATLAB.

**PROGRAM:**

```
clc
clear all
close all
a = imread('caman.tif');

%Perform histogram equalization

b = histeq(a);
subplot(2,2,1),imshow(a),
title('Original Image'),
subplot(2,2,2),imshow(b),
title('After Histogram Equalization'),
subplot(2,2,3),imhist(a),
title('Original Histogram'),
subplot(2,2,4),imhist(b),
title('After Histogram Equalization'),
```

**OUTPUT:** (Image)

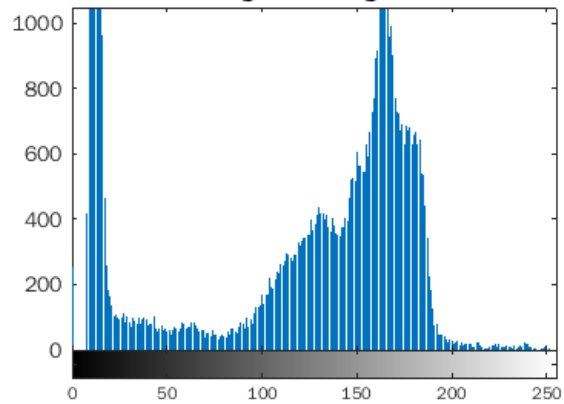
Original Image



After Histogram Equalization



Original Histogram



After Histogram Equalization

