



Estd: 1947

Walchand College Of Engineering

(Government Aided Autonomous Institute)

Vishrambag, Sangli, 416415

EXPERIMENT- 11

Academic Year: 2021-22

Semester: 6th

Course: Digital Image Processing Lab

Course Code: 5EN374

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Batch: EN-1

Performed on: 23/02/2022

TITLE OF EXPERIMENT: Study of power law transformation of an image using MATLAB.

AIM: To study power-law transformation of an image using MATLAB.

PROGRAM:

```
clc
clear all
close all
a=imread('kid.JPG');
a=rgb2gray(a);
gamma=1;
d=double(a).^gamma;
imshow(a),
title('Original Image')
figure,imshow(uint8(d)),
title('Powerlaw Transformation Gamma = 1')
gamma1=0.8;
d1=double(a).^gamma1;
figure,imshow(uint8(d1)),
title('Powerlaw Transformation Gamma =
0.8')
```

INPUT: (Image)



OUTPUT: (Image)


