EXPERIMENT- 10

Academic Year: 2021-22   **Semester:** 6th

Course: Digital Image Processing Lab   **Course Code**: 5EN374

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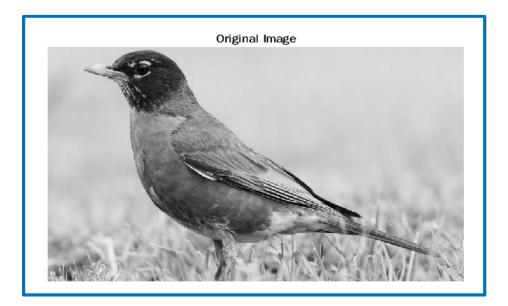**Batch**: EN-1   **Performed on:** 23/02/2022

TITLE OF EXPERIMENT: Study of logarithmic transform of an image using MATLAB.

AIM: To study logarithmic transform of an image using MATLAB.

PROGRAM:

```matlab
%This code performs Logarithmic
Transformation
clc;
clear all;
close all;
a=imread('sparrow.jpg');
L=255;
c=L/log10(1+L);
d=c*log10(1+double(a));
figure,
imshow(a),title('Original Image')
figure,imshow(uint8(d)),title('Log
Transformation Image')
```

INPUT: (Image)

Original Image

OUTPUT: (Image)

Log Transformation Image