



**UNIVERSITY OF ENGINEERING AND TECHNOLOGY TAXILA**

**FACULTY OF TELECOMMUNICATION AND INFORMATION ENGINEERING**

**Computer Engineering Department**

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# **DIGITAL IMAGE** **PROCESSING**

## **LAB MANUAL 6**

Histogram Processing

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## **Histogram Processing**

### **LAB OBJECTIVE:**

The objective of this lab is to understand & implement

- 1 Histogram Matching
- 2 Localized Histogram

### **TASK 1**

Write a program to implement Histogram Matching Algorithm in Matlab.

- Exchange the histogram of images lab6q1a.tif and lab6q1b.tif
- Specify the histogram for image lab6q1c.tif and lab6q1d.tif to enhance the viewer interpretation.

### **TASK 2**

Write a program for Local Histogram Equalization and note

- Differences between local and global histogram equalization.



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