GIMP ACTIVITY-1

Basic Image Editing Operations

Objective

To learn and perform basic image editing operations in **GIMP** including:

- Changing the Size (Dimensions) of an Image (Scale)

- Changing the Size (Filesize) of a JPEG

- Crop an Image

- Rotate or Flip an Image

Lab Task–1: Changing the Size (Dimensions) of an Image (Scale)

Steps to Perform

1. Open **GIMP**.

2. Click on **File → Open**.

3. Select a JPEG image and click **Open**.

4. Go to **Image → Scale Image**.

5. In the *Scale Image* dialog box:

   o Enter new **Width** and **Height** values.

   o Ensure the **chain icon** is locked to maintain aspect ratio.

6. Set **Interpolation** to *Cubic* or *NoHalo* for better quality.

7. Click **Scale**.

8. Observe the change in image dimensions.

Lab Task–2: Changing the Size (File Size) of a JPEG Image

To reduce or increase the file size of an image by adjusting compression quality.

Steps to Perform

1. Open the image in **GIMP**.

2. Click **File → Export As**.

3. Choose a location and ensure the file format is **.jpg**.

4. Click **Export**.

5. In the *Export Image as JPEG* dialog:

   o Adjust the **Quality** slider (lower quality = smaller file size).

   o Enable **Show preview in image window** to see size changes.

6. Click **Export**.

7. Compare the original and exported file sizes.

Lab Task–3: Crop an Image

To remove unwanted areas from an image.

Steps to Perform

1. Open the image in **GIMP**.

2. Select the **Crop Tool** from the toolbox
    (Shortcut: Shift + C).

3. Click and drag over the area you want to keep.

4. Adjust the selection by dragging the corners.

5. Press **Enter** or click inside the selection.

6. The unwanted portions of the image are removed.

Lab Task–4: Rotate or Flip an Image

To change the orientation of an image.

Steps to Perform

A. Rotate an Image

1. Open the image in **GIMP**.

2. Click **Image → Transform**.

3. Select one of the following:

   o Rotate 90° clockwise

   o Rotate 90° counter-clockwise

   o Rotate 180°

B. Flip an Image

1. Open the image in **GIMP**.

2. Click **Image → Transform**.

3. Select:

   o **Flip Horizontally** or

   o **Flip Vertically**