User Manual

Mosaiq Image Reconstruction Software

Team 6

Contents

GUI Mode-Home Page

The following is the screen shot of the homepage of "Mosaiq".We can perform

    a) New Reconstruction: Reconstruct a new sample.
    b) Open Sample: Open Existing Sample.
    c) Open Existing Reconstructions: To open already reconstructed images.
    d) Help: Help to usage of software

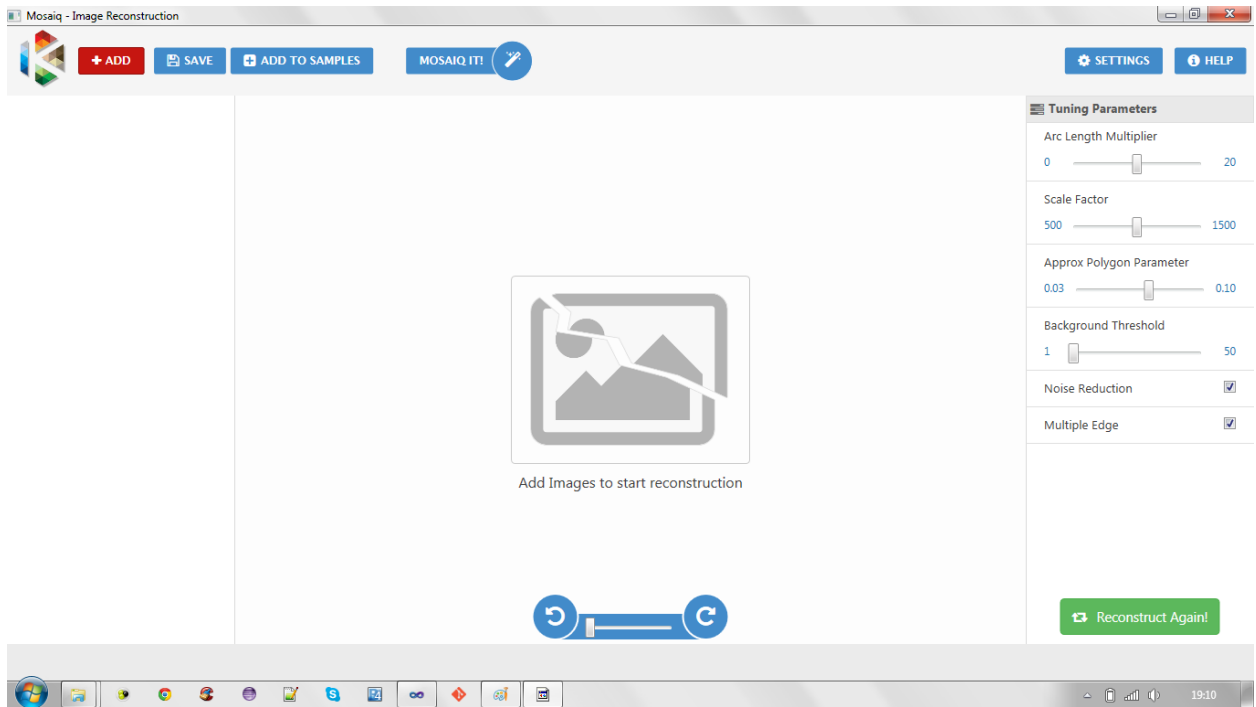## New Reconstruction

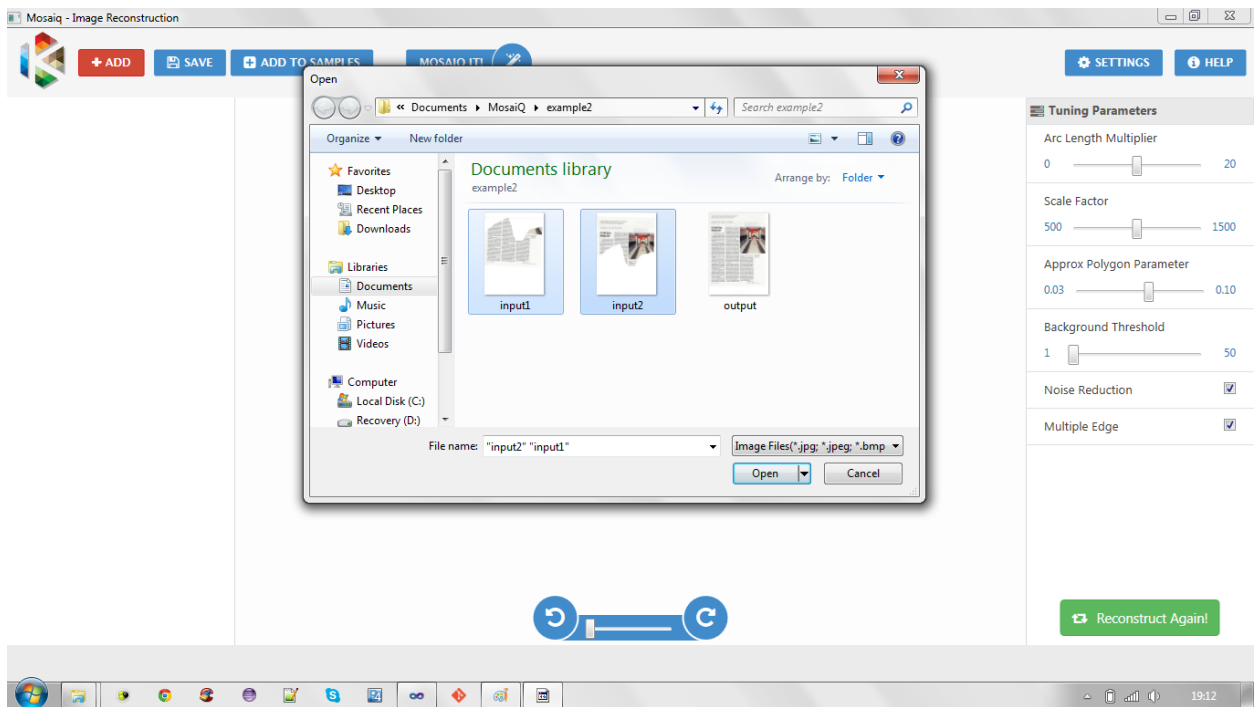It opens a new window on which there is a button :

    i)   Add: To Adding torn images
    ii)   Save: To Save Reconstructed images in a folder named Projects
    iii)   Add To Samples: To add reconstructed images to samples
    iv)   Mosaiq IT!:To Reconstruct Images

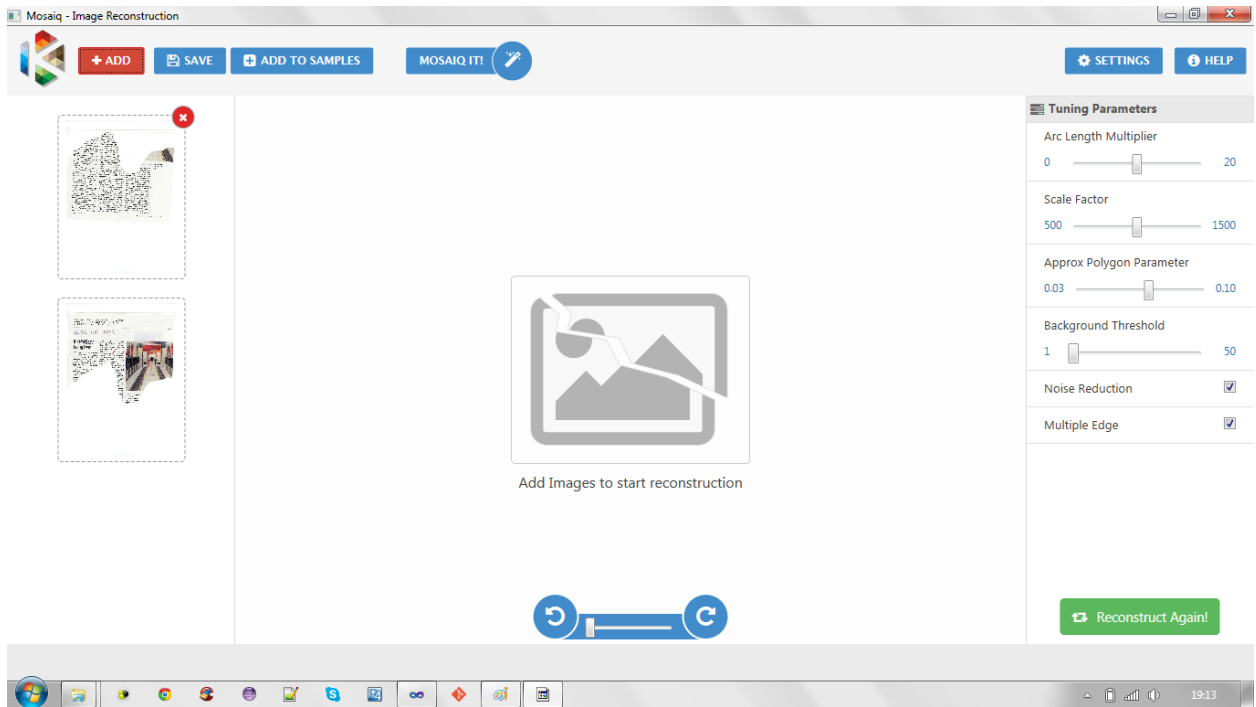   Screen Shot of this page is:

Adding Torn Pieces

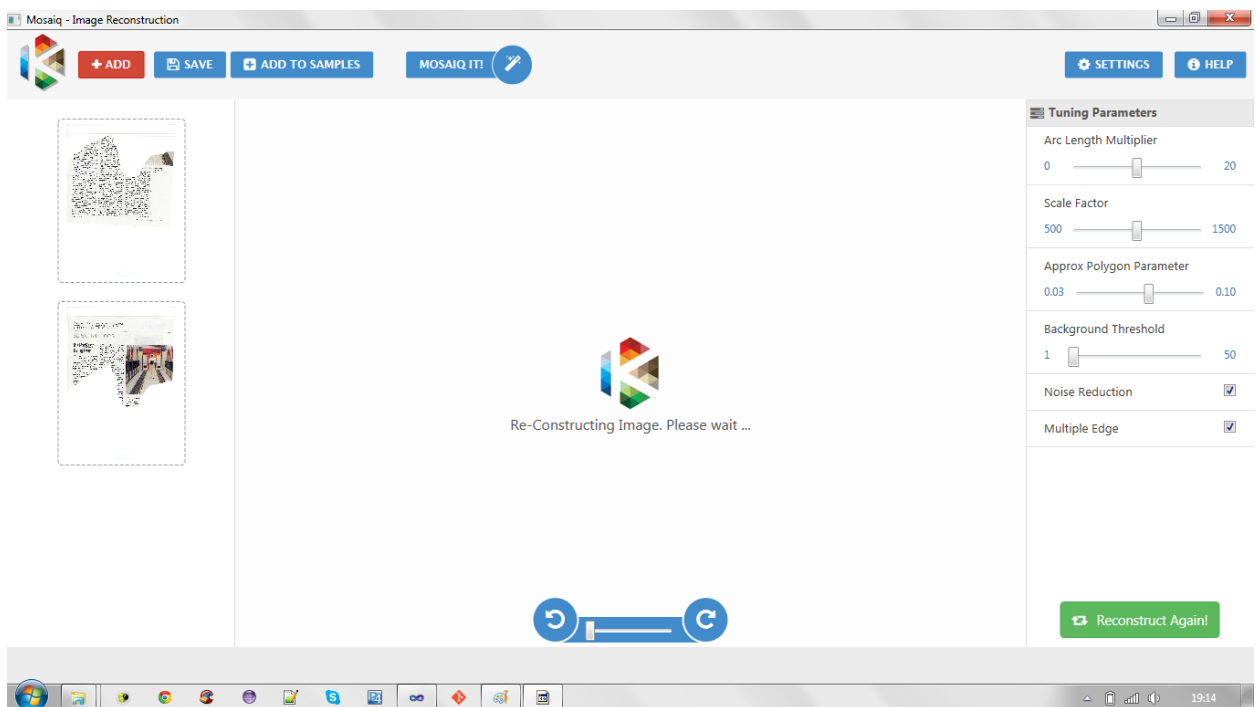When Add button is clicked a dialog box appears to open new Image.

We can as well drag and drop torn paper images into the Window.

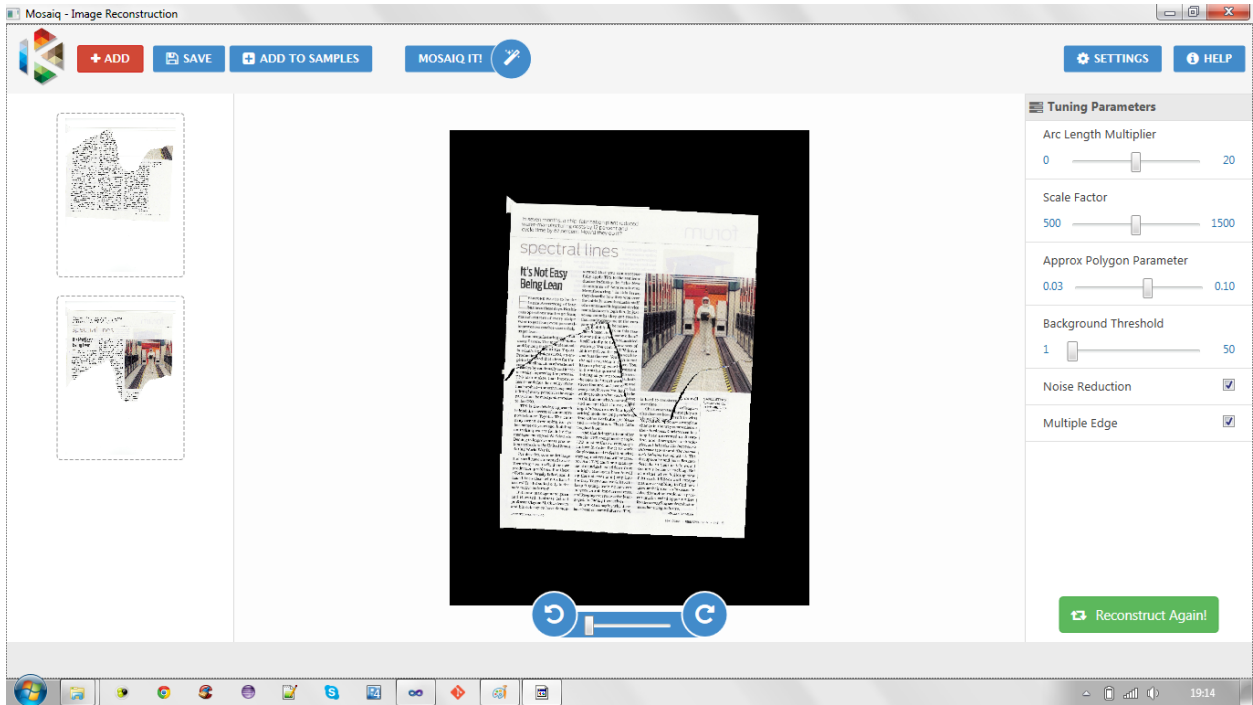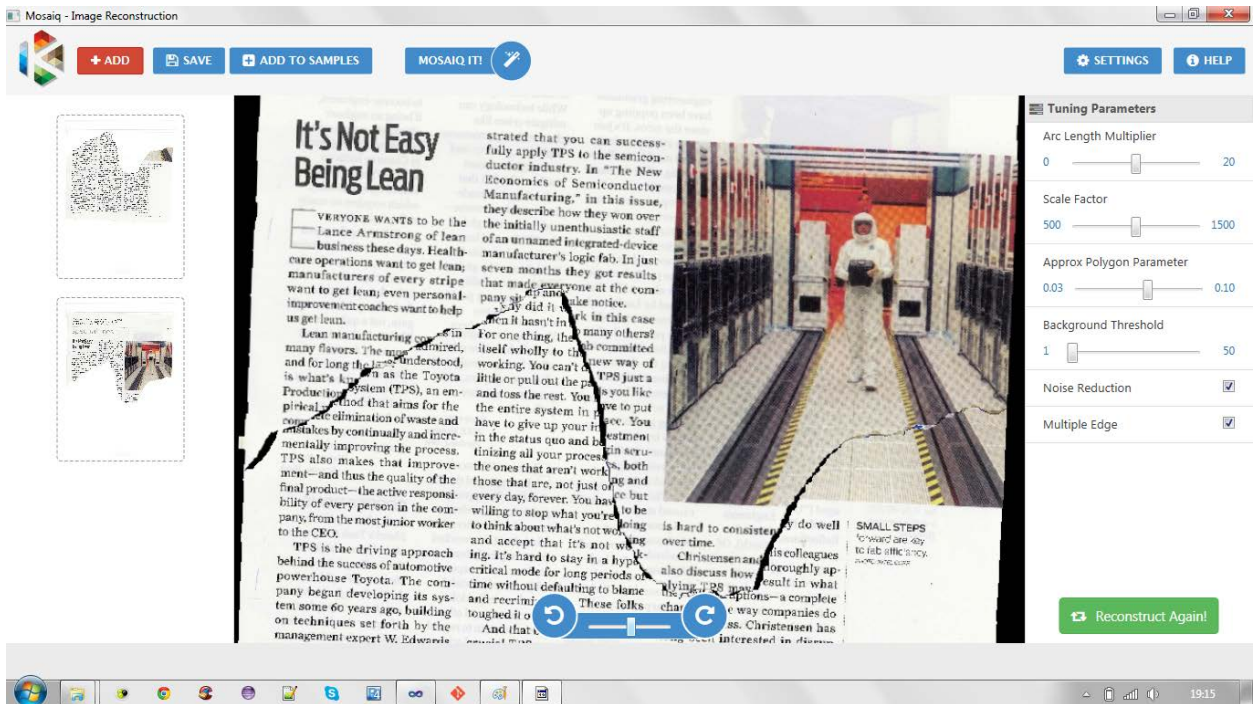After adding images the Window looks like:

Reconstruction Of Images

Now we click on Mosaiq It! And reconstruction process begins:

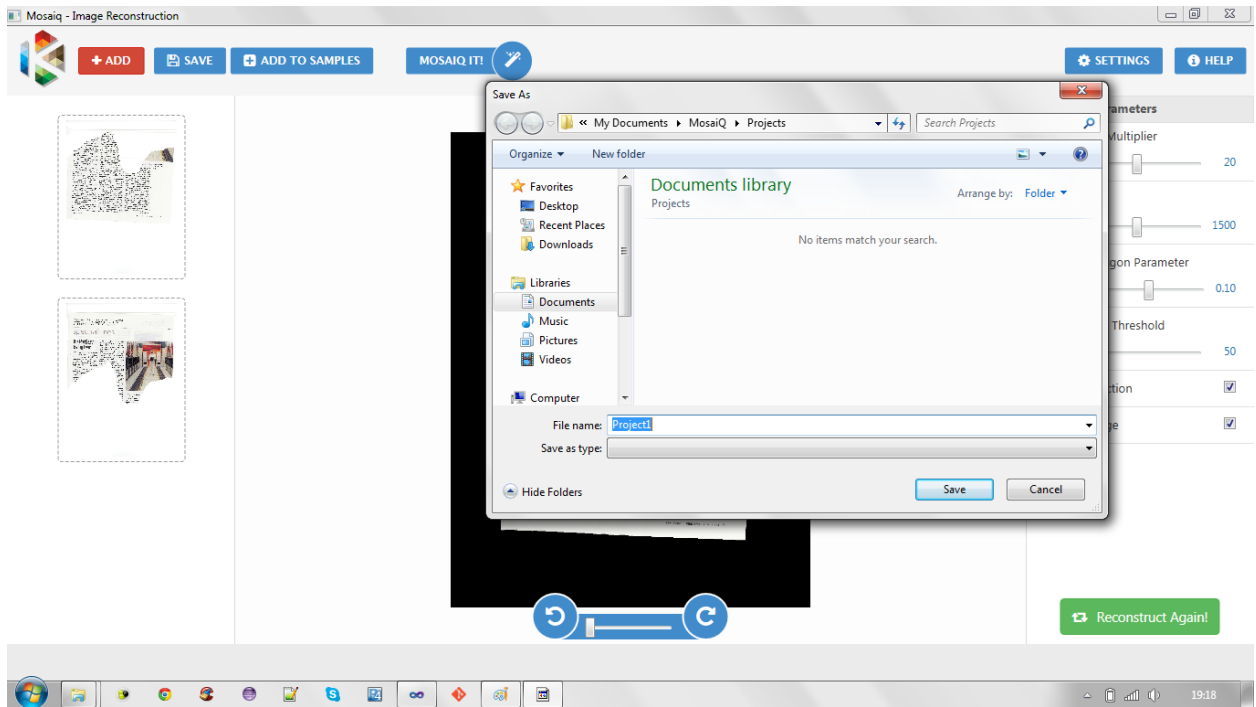The Reconstructed Image is displayed as:
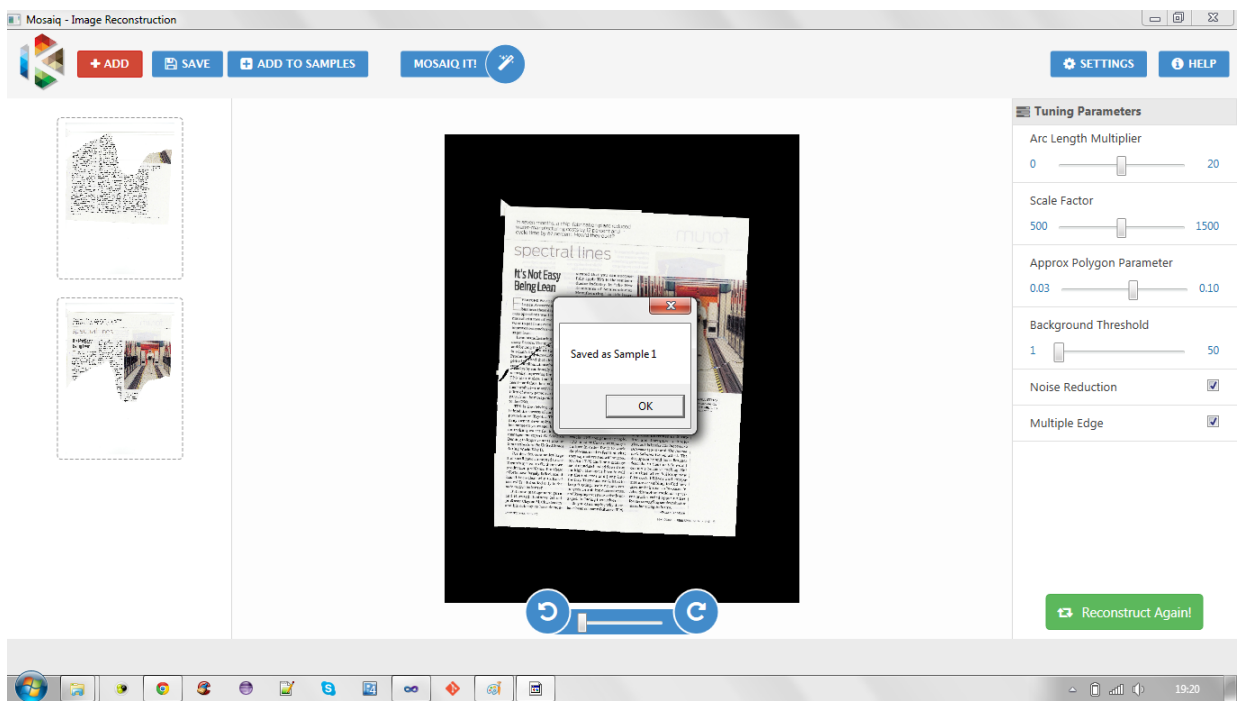
We can zoom into this sample and rotate it.

Saving Image

We can save the reconstructed image, the screenshot is:

Add to Samples

Add to Samples, adds the images to Samples for further review,

Open Sample

When open Sample is clicked a dialog box opens to select the sample, then Sample is opened.

Help

It is our help service in case you are in trouble.

Command Line mode

The python script can be run from the command line using the following commands:

$ python mosaiq.py <path_to_directory_containing_torn_images>
<path_to_directory_where_merged_image_is_saved>

Eg. $ python mosaiq.py C:\Users\images\ C:\Users\output\

This is a verbose mode. Important intermediate steps in the reconstruction are displayed. In the end the merged image is displayed.