1. Installation instruction

* Java JRE install link
* Extract zip file to a local directory

1. Sample image, go through each step with screenshot.

Double click on tactile\_tool.bat(This is the executable of the tool)

Click on file menu , then open (Shortcut – ctrl+O) to open

Loading image – you can see the preview in the right side pane

If there is already a svg file saved for opened image then a pop up will appear asking for

Restoring saved work. If you click yes then it gets restored , if no, then svg file will get deleted and you will no longer be able to access saved work.

* Stage-1

There is an option on the top to select language currently English and Hindi

Default language is English

If the text in the image is in Hindi , then select hindi in the language option

After that detect the text automatically by clicking on the icon on the left

You can also choose to skip this

* Stage-2

We have a option of going back to previous stage.

Detected text will be shown above a rectangle drawn surrounding the text in the image

At the end of this stage, all the text will get properly surrounded by rectangles because for the later stages we require image without any text, so we will clear these rectangles and new image without text will be passed to the later stages.

On clicking any rectangle, detected text will be shown in a textbox at the bottom and is editable.

Corrections:-

1. If the rectangle is completely surrounding the text but the text is not correct. Then correct it by
2. click the rectangle
3. write the correct text in the textbox
4. click on save
5. If the rectangle is not properly surrounding the text, then
6. Click the rectangle
7. Press delete icon on the left

3. For undetected text

1. Draw a rectangle surrounding text

2. Write the text in textbox at the bottom and save (or press Enter).

* Stage-3

Before proceeding ensure that there is no text left in the image loaded , if any then go back to previous stage and do the appropriate correction

In this stage an image without text will be loaded on the screen

And depending on whether it is a science diagram or a math diagram we would proceed differently

For science diagrams we detect different regions from the image automatically

For math diagrams, we have an option of detecting lines and circles automatically

So, appropriately choose the icon on the left or you can also skip.

* Stage-4