

Video Transcript:-

To begin with, you need to have opencv and java installed on your system. If you have them it's fine, if not go to this link...over here...and follow the instructions present over here to get the opencv libraries built in your system. To download java, you can go to this link. Both are free softwares which you can get.

once you are done with this you can start using the software. The images that you want to process are placed in this folder. Before you run the UI you should place this executable file "imageproc.exe" into this folder. This is a basic necessity of this software that we have built. Once you have done that go ahead and run the UI.

So the UI gives you two options. We will go ahead with first one. Click on it and press enter. Now here you can browse the path of the image that you need to process. Click on browse. Enter the resolution and click on submit. Here is the original image. Here is the processed image. You can see that there is still some noise. You can manually remove it. Just right click and drag. Once you are satisfied press enter twice and you get the path that the bot will trace. These are the final points that the bot is going to consider and these are going to be relayed to the bot using the Xbee module. You see an error here. That is because the xbee module is not connected. Click ok

Now let's explore the second option. Click on that press enter. Here is that path of the exe file. Enter the resolution and click on submit. This window opens up. Now you can draw whatever you like. Once you are done with the drawing press enter and now this gives you the path that the bot is going to follow. Again these are final points that the bot will be considering. Press enter. You can see again this error being prompted because the XBee is not connected. So this is how you use this simple UI. You can control the bot using this.

Thank you for watching this tutorial.