
PROJECT-1 PROPOSAL

COURSE: COMP 3301

INSTRUCTOR NAME: STEPH MCINTYRE

TOPIC: TEXT DETECTION FROM RANDOM IMAGES

OBJECTIVE OF THE PROJECT:

My goal is to build an user friendly working algorithm that can easily recognise and print out any type of text within images in any type of font, size, colour or language. I will be using OpenCV and OCR to identify the letter and converting them into editable text. After successful image processing and contour detection I would use necessary tools to identify these texts from images. I will be making sure to remove any bugs and optimize it to ensure accuracy and efficiency. I also aim to improve the text detection in as much less time as possible.

TESTING:

I will be testing this algorithm on different platforms like windows , Linux and macOS. I plan to collect different types of images from my friends to test the codes before I'm ready to input any random image.

USERS:

My target user is going to be the students as this is going to be a really convenient and handy platform where one can easily transcribe pictured notes as texts for better clarity and accessibility . This is also great for users with bad eye sight as they can change and size the texts in form they want once they extract the texts.

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