

## CS 314 - IMAGE PROCESSING PRACTICAL (2020/2021)

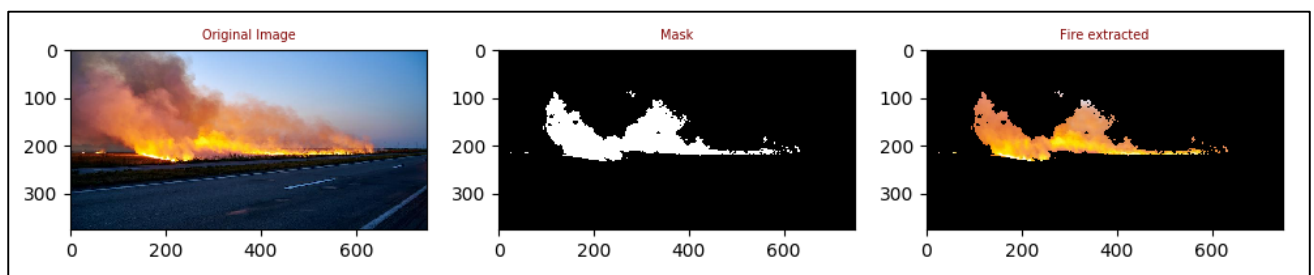
### Assignment 05 – Image Enhancements

Due date: August 9<sup>th</sup> 2022, 11.59 pm

This assignment requires you to practice all the concepts learned so far on digital image processing using OpenCV-Python library.

You are required to submit the python script and the screenshots. **DO NOT** submit the answers using a zip file. Directly upload the files into your submission thread.

1. Extract only the Fire area from the given image, **fire.jpg** (See the Figure 1). You may use all the concepts covered so far in digital image processing.



**Figure 1:** Extracted fire area

2. Create a function to apply CLAHE on color images and visualize outputs for clip limits 2.0, 5.0, 10.0 and 20.0 in the same figure. Use the image “**1.jpg**”