## Function:

detectRoadBleed(image,mask,pothole,threshold = 30,dark_spots_threshold = 80)

## File:

roadBleedingDetector.py

## Parameters:

| Parameters | Description |
|---|---|
| image | (Int Array 3d) <br> Stitched image of the road in BGR Format |
| mask | (Int Array 3d) <br> An inference mask of the road in BGR Format where the road is of non-zero-pixel value and cracks are of pure red color (BGR: 0,0,255). |
| pothole | (Int Array 2d) <br> A binary mask where pothole is a pure white (255) filled blob and other whole background is black (0) <br> Make sure the image is 2d Array or else it may result in wrong outputs while execution |
| threshold | (Int) <br> The threshold value of the min non-zero pixels to be resulted in road bleed <br> Default = 30 |
| dark_spots_threshold | (Int) <br> The thresholding value for detecting the black spots in the image <br> Default = 80 |

## Return Type:

The function returns a single bool.

| Returned Value | Description |
|---|---|
| True | Road Bleeding Detected |
| False | No Road Bleeding Observed |
| None | In conclusive. <br> This can be if the image or any of the mask is not passed properly or in wrong format to the function |