

# **OUTPUTS**

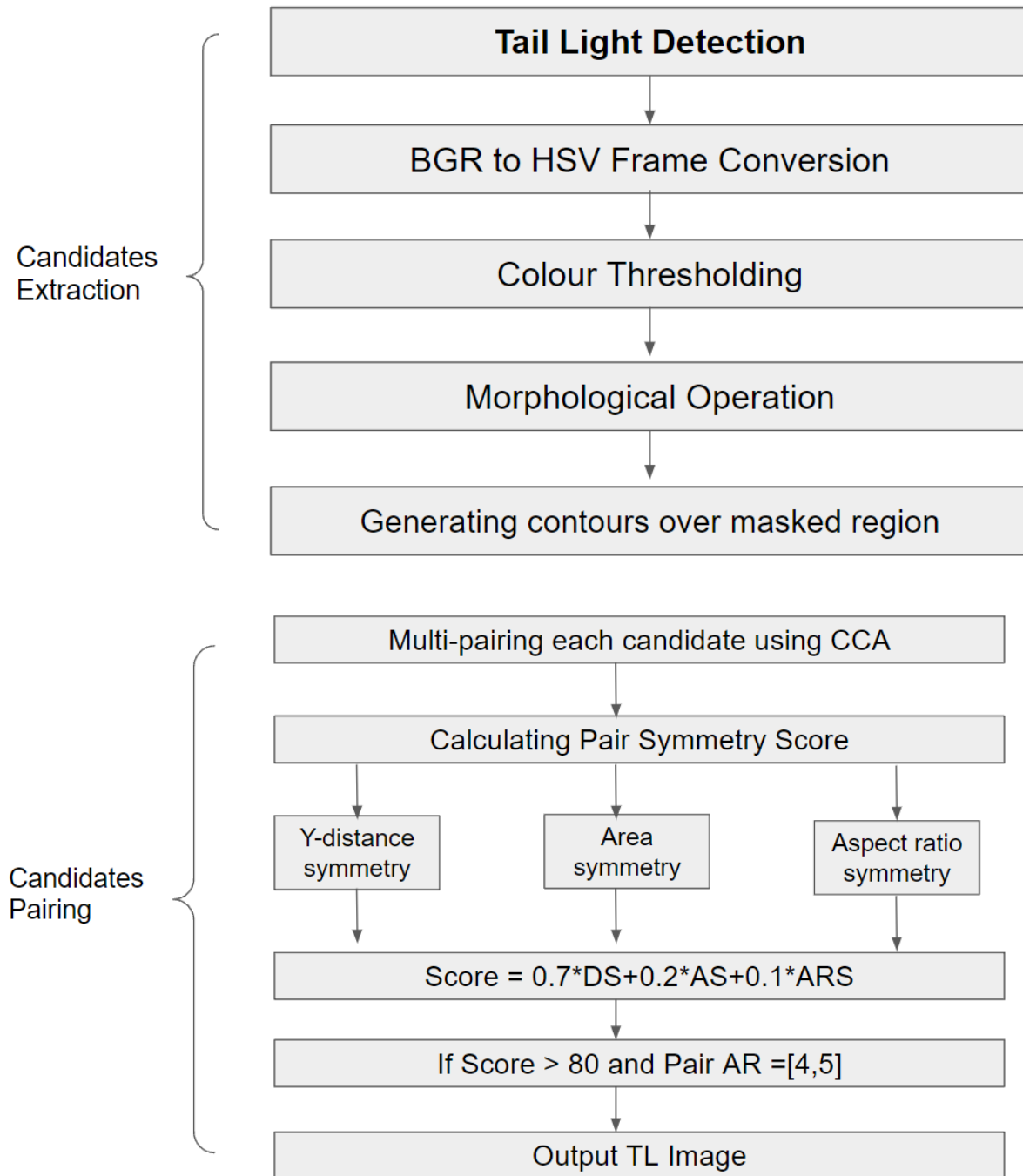
## **Approach:**

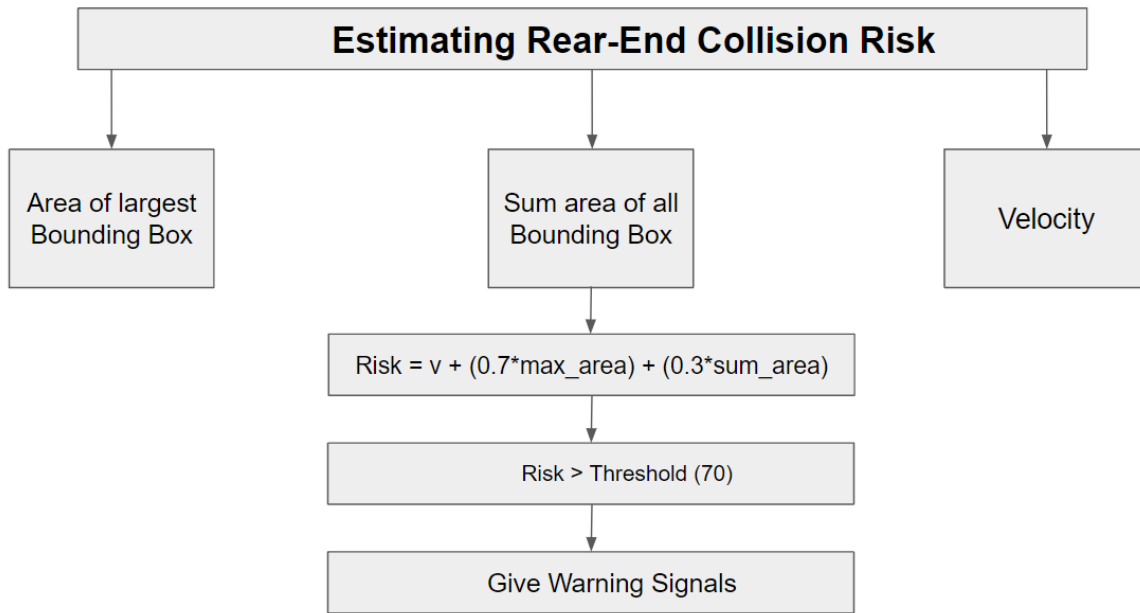
1. Extract the taillight region from the image.
2. Taillight sources have a white region in the middle surrounded by red part.
3. Taillight pairing under certain constraints.
4. Estimation of collision risk and predictive brake warning in form of sound and on the display screen.
5. Almost similar procedure for headlight detection. ROI and constraints will change.

## **Reference Image:**



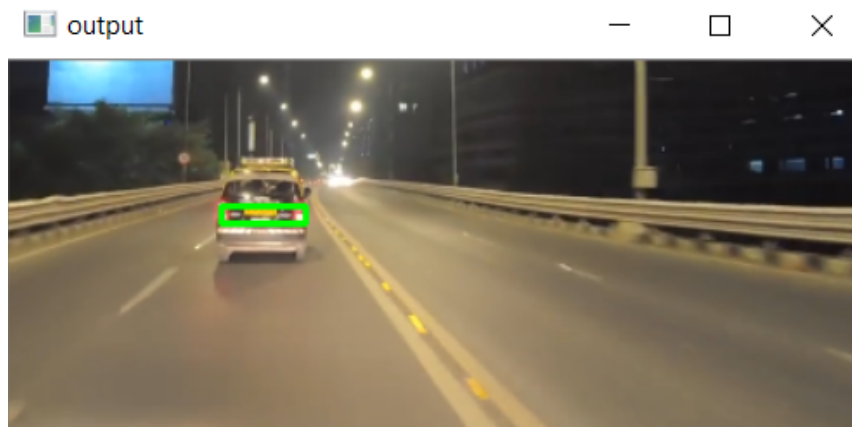
## 1. Block Diagram:



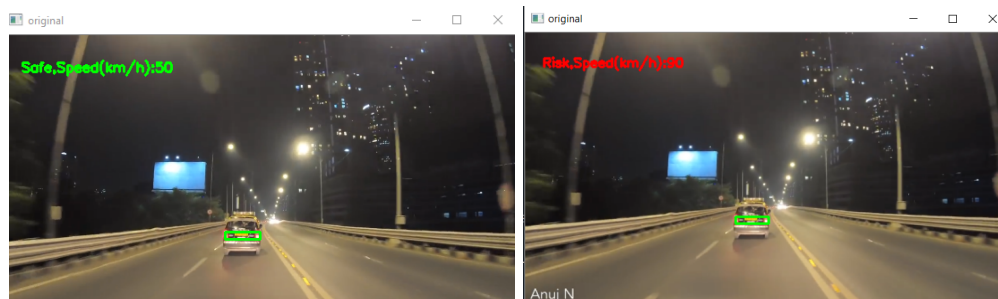


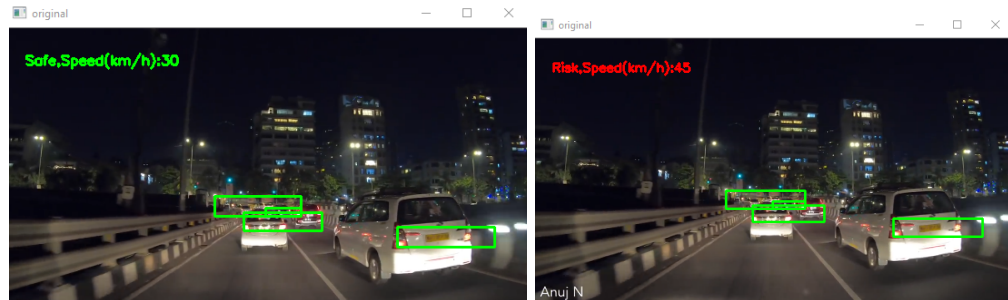
## Outputs:

### 1. Taillight detection



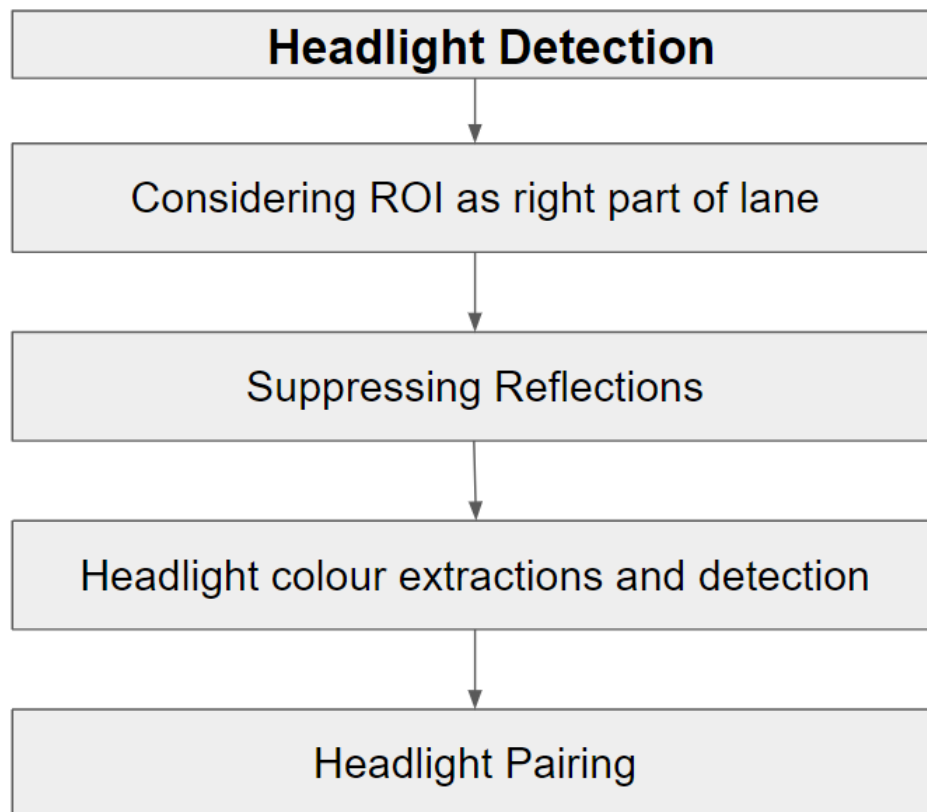
### 2. Collision risk warning





## 2. Headlight Detection:

### Block Diagram



## Output:

