



# OpenCV Hackathon

## Problem statement:

**Detect the total number of red cars passed in the left lane in the video provided in the drive link below. Create rectangular boxes around such cars.**

## Hackathon Scoring Criteria:

| Sr. No. | Criteria                       | Description   | Marks     |
|---------|--------------------------------|---|-----------|
| 1.      | <b>Lane of Detected Car</b>    | All the cars detected should be in left lane.                               | <b>30</b> |
| 2.      | <b>Color Detected</b>          | Detected car should be of red color.  | <b>30</b> |
| 3.      | <b>Number of Cars Detected</b> | More marks for finding count of cars close to actual number of cars passed. | <b>40</b> |

## Total Score:

| Sr. No. | Distribution     | Marks      |
|---------|------------------|------------|
| 1.      | <b>Task 01*</b>  | <b>10</b>  |
| 2.      | <b>Task 02*</b>  | <b>20</b>  |
| 3.      | <b>Task 03*</b>  | <b>10</b>  |
| 4.      | <b>Hackathon</b> | <b>100</b> |
|         | <b>TOTAL</b>     | <b>140</b> |

**Note: Task01 , Task02 , Task03 were given in Workshop**

## Video to be Used for Detection and Slides:

[https://drive.google.com/drive/folders/1td\\_PwwuPL9RNqnSARezsiYt6MhiLI4NX](https://drive.google.com/drive/folders/1td_PwwuPL9RNqnSARezsiYt6MhiLI4NX)