

PROJECT ID: RH13

PROJECT NAME: AREA SPEED CHECK

TEAM NAME: CAM_FUSION

TEAM ID: 5217

TEAM LEADER : SURAJ KIRAN BANKER

TEAM MEMBER 2 : POONAM DATTATRAYA HINGMIRE

TEAM MEMBER 3 : NIDHI SHARMA

TEAM MEMBER 4 : PRASHANT BHAURAO PATIL

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TEAM MEMBER 6 : BHASKAR PITAMBER KHANDE

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MENTOR 2 : GANESH BARI



Area Speeding Check

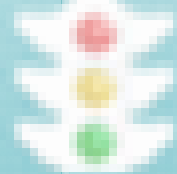
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS

♦ ACCURATE SOLUTION AND SATISFACTION TO THE PROBLEM.

PROJECT ALSO SUPPLIES SOLUTIONS FOR

➤ OVER-SPEEDING

➤ RED LIGHT VIOLATIONS



OBJECTIVE

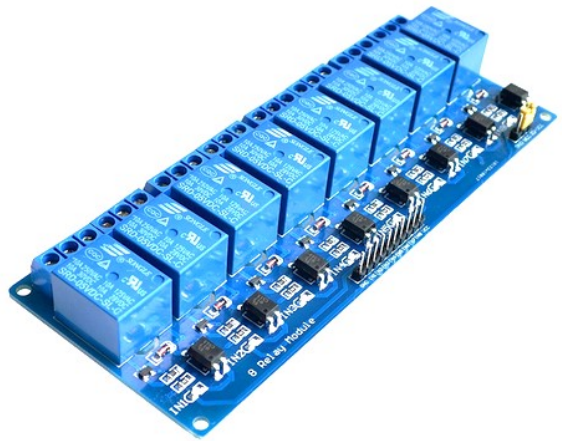


- TO REDUCE NUMBER OF ACCIDENTS DUE TO OVER-SPEEDING.
- TO REDUCE THE RED LIGHT VIOLATION CASES.
- TO ENCOURAGE PEOPLE TO DRIVE MORE CAREFULLY.

IMPLEMENTATIONS IN THE PROJECTS

THREE MODULES INTEGRATED IN ONE HARDWARE WILL HELP TO STOP THE SPEED VIOLATION ISSUE IN CITY.

PTZ CAMERA, PLC MODULE AND SPEED DETECTION ALGORITHM ARE INTEGRATED IN ONE SYSTEM.



PLC MODULE



PTZ CAMERA

SPECIFICATIONS

A. HARDWARE SPECIFICATIONS:

- 1/4 INCH CMOS
- PAN TILT
- NIGHT VISION
- IR CUT MOTION DETECTION
- REMOTE VIEW
- 3 TIMES ZOOM
- IP67

B. SOFTWARE SPECIFICATIONS:

- XAMPP
- MATLAB



ADVANTAGES & DISADVANTAGES

ADVANTAGES:

- IT WILL MAINTAIN THE SAFETY OF HUMAN LIFE ON THE ROAD
- IT WILL REDUCE MAN POWER.
- IT WILL REDUCE THE TRAFFIC RULES VIOLATIONS INCLUDING OVER-SPEEDING, RED LIGHT JUMPING, ETC.

DISADVANTAGES:

- AT THE WORSE CASE IF THE INTERNET IS SLOW THE SERVER PROCESSING WILL BE SLOW.

STAY SAFE

BUSINESS OBJECTIVE

- WE ARE CAPABLE OF IMPLEMENTING THIS PROJECT WITHIN 45 DAYS.
- IT REQUIRES VERY LESS MAN POWER FOR IMPLEMENTATION.
- THE PRODUCTS PROVIDED BY US ARE COST EFFECTIVE.
- MULTIPURPOSE DEVICE (I.E. RED LIGHT VIOLATIONS, OVER-SPEEDING, ACCIDENT MONITORING)

THANK YOU..