**Take a recorded video as input from user or use live camera**

1. **We create a HAAR cascade file variable.**
2. **Each frame in video is converted to gray image**
3. **For all frames in video, detection of desired object is done and box is drawn around it.**
4. **We can use different cascade files to detect different vehicles.**
5. **Each vehicle has its own coloured border.**

**OR**

1. **We use image processing tools to blur and smoothen image, then convert it into threshold and identify them as blobs of different sizes. Then showing different vehicles as different colour code.**
2. **We create an imaginary area.**
3. **If vehicle enters that area, it is detected and classified, and after crossing the area its count is increased.**
4. **After complete video is detected, the final count of all vehicles is updated on database.**
5. **Queries are run in database to see which vehicle affects the traffic most at any given time.**
6. **Counter measures to reduce traffic are formed and discussed upon.**

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**We create a HAAR cascade file variable.**

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**For all frames in video, detection of desired object is done and box is drawn around it.**

**We can use different cascade files to detect different vehicles.**

**Each vehicle has its own coloured border.**

**OR**

**We use image processing tools to blur and smoothen image, then convert it into threshold and identify them as blobs of different sizes. Then display different vehicles as different colour code.**

**We create an imaginary area.**

**If vehicle enters that area, it is detected and classified, and after crossing the area its count is increased.**

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**Queries are run in database to see which vehicle affects the traffic most at any given time.**

**Counter measures to reduce traffic are formed and discussed upon.**