PUBLIC-PRIVATE PARTICIPATION MODEL OF TRAFFIC CHALLAN

Car becomes a kiosk when it gets a bad driver and car becomes a killer when it gets a rash driver! So it is very important to keep an eye on each running car in the city and everywhere. To do this was always a difficult task till the time IIIT organized this platform and this simplest idea (which was actually boggling into my mind for very long) came up to surface! Infact this kind of platform should be more permanent.

SIMPLE IDEA
Install a camera on private/public vehicles like cars, buses, ambulances. This camera will store recording of last 10 minutes of the road view (with voice). When the driver will notice any traffic violation, he simply has to press a send button and video will get registered to traffic police center. At the same time- time, location, sender details will also be noted. Driver can also record his voice of two minutes after pressing send button. He can voice record the issue detail with car number. This way each car will become an eye for another car and public will become more aware about respecting roads. Ambulances/ fire brigade will be more life saving as this instrument may help in more organized traffic.
A challan will be sent to the defaulters and some monetary incentive shall be shared with the video sender. I would like to call this instrument as “road-vision” or just “RV”. RV should have a fixed cost+ running cost, which vehicle owner shall bear. So its Public-Private participation model of Traffic Challan System.
Note- Traffic sentinel app is also there, but I think it is less effective, as no one is camera ready all the time. So you need a continuous recording.

RATIONAL OF IDEA
It is a win- win situation for everybody. If succeeded it has following benefits-

1) Traffic police department (TPD) will definitely curb rule violations+ reduce and expensive recruits+ Challan corruption will be reduced.
2) RV holders will get monetary benefits of challans. People in general become more sensitive to road rules.

HOW TO APPLY THIS SYSTEM (without losing essence)
I am not recommending the incentive based system as a deliberate business and also not expecting people to get habitual of this system on day one. So following shall be kept in mind:
1) **RV holders are not expected to be irresponsible video senders**- RV can only be issued only to license holders with additional two day training at TPD center. They would be limited to send 2 video at one hour gap. On sending each useless video they shall be explained again and warned. On sending 15 such video membership shall be cancelled.

2) **RV is not free**- RV shall be purchased at specific cost. On cancellation of membership RV cannot be returned.

3) **Phase wise application of RV.** All the rules cannot be applied on single day. **Phase1 should** target those rules which directly stall the traffic or otherwise does not depend on driving capability of driver. **Few to mention:**
   - **a)** Dark film- Front and rear glass panel of cars cannot have film. It blocks the road view and calls for accidents.
   - **b)** Number plates with branding- People showing-off the influence on roads are generally not very positive on road culture.
   - **c)** Ambulance and fire brigade blockers- people who deliberately hold off emergency services should be challaned heavily.
   - **d)** Accidents- this can solve a great deal of courts time. And same shall be highly rewarded to sender.
   - **e)** Wrongly parked vehicle- people at times just stop the cars anywhere these days. Sometime in the middle of roads! These should be challaned.
   - **f)** Mobile phone user- major cause of accident.
   - **g)** Red light breakers.
   - **h)** Wrong lanes driving.
   - **i)** Tripling on two wheelers.
   - **j)** Rash driving.

   **Phase2 should deal with rules which depend on human capability. Few to mention:**
   - **a)** Private metro feeders – they don’t move and at times jams the roads.
   - **b)** Lane jumping – unnecessary lane jumping is the biggest cause of jams in Delhi.

4) **Challan amount**- initially challan amount should be less (especially through RV) and shall have convenience of online payment. Within a year it should be double and online payment facility shall be curbed.

5) **Storage/display of video**- All challan videos shall be first stored to Delhi traffic police center with details of sender, location, time etc. They should be available to sender on demand. All approved challans video shall be sent to defaulter’s email ID (on demand). Defaulter can receive video on the email ID, after sending sms to Delhi Police with car number, challan number and email ID.

   Extreme defaulters will be shown on youtube- at Delhi traffic police channel.

6) **Challan sharing**- in case same defaulter appears on 2 or more RV simultaneously, challan money shall be shared among the RV holders. Car cannot be challaned twice
within 2 hour gap for same violation. For example- car will be challaned for wrong number plate every 2 hours, if noticed.

7) **Cross check videos**- if someone feel that car is using wrong logo, lal batti etc. a cross check video can be sent. TPD then can cross check and nab the defaulter, if required.

**REQUIREMENTS OF SYSTEM**

1) **Instrument**- - a simple assembly is required. A HD camera (with smart focus on number plates)+ microphone+ battery+ pendrive+ sim card+ web based application. 4G or 3G network on sim card. Assembly should be such that it can be fitted on vehicle in proper permanent manner and driver should have easy access to send button.

2) **Central server**- where all the videos can be sent.

3) **Team to check video**- traffic cops are the best option to do it. Infact this system (if succeeded it will definitely ease off loads on cops).

4) **Training**- people will need training. Both sides- one with RV or without RV. Traffic police shall upload traffic laws videos on you tube channel (with right and wrong examples). RV holders shall pass exam, before they actually become eligible for such system in their vehicles.

**DEVELOPMENT OF SYSTEM**

1) Instrument shall be developed and fitted into buses and ambulences. May be in some volunteers’ cars also. After a month trial, RV should be available to all (whosoever wants to apply). This way system will become fast popular and profitable venture too!

2) **Specific rules system shall be shall be introduced. People should be given time to accept it.** (as already explained above).

**OTHER IDEAS**

Traffic cannot be managed from just improving challan system. As this opportunity is here, I would like to add few more ideas. May be helpful:

1) **More AC buses** with 24 hour coverage should be present.

2) Some roads privatization shall be started on trial basis. Key response areas for such contractors shall be road repairs, road traffic management, parking management, signage management, encroachment management, J- walker managements etc. Remuneration for them shall be linked to bus crossing time from road, TPD reports based on purely on surveillance of road, accident rates on roads etc. For example-
privatization of ring road. Now we can monitor Mudrika time to make a complete round on ring road and award the road management company accordingly.

3) **Making a combined app of all public transport.** Person shall just enter destination and he/she shall get full guidance. Include Ring Rail, DMRC, DTC, taxi, auto.

4) **Concept of shared taxi.** People should be habitual of taking shared taxi/auto. Companies like Ola, Taxiforsure etc, should give option of shared taxi. For example- I hire a shared taxi at 9 am in morning. I sit in cab and someone else ordered shared taxi for destination enroute. The information shall be shared with me on my cell at the same time. If I am ok- I simply press ok button on cell and share the cab. Now company will only charge the shared bill with me.

5) **Ring Rail should get AC coaches.** May be it should venture out with DMRC.

6) **Cars should have number plate on roof also.** It will really make it easier to watch them from camera located on a high mast.