

PROBLEM - SOLUTION

- CUSTOMER SEGMENTS

- ✓ All the citizens utilising road transport will be using this application. Passengers of day to day life are beneficiary utilising this. They are able to analyse traffic and make their individual views accordingly using this application.

- PROBLEMS / PAINS

- ✓ Existing techniques couldn't cover the traffic density issues.
- ✓ Traffic complexity is not reduced
- ✓ Lacking of required control

- TRIGGERS TO ACT

- ✓ The combined features of the algorithms like Min Max fairness algorithm , Additive increase Multiplicate Decrease (AMID) provides an improved prediction of traffic.
- ✓ Data that is fetched, will be intimated to the end user to follow the smart signs.

- EMOTIONS

- ✓ We are going to develop a userfriendly web application. Our algorithm gives the best accuracy in identifying the traffic density and road safety, in a recommended use of smart connecting signs.

- **AVAILABLE SOLUTIONS**

- ✓ Traffic management was considered in earlier methods but not the traffic density. Traffic monitoring system with immediate and real time application is performed.

- **CUSTOMER LIMITATIONS**

- ✓ Sometimes may lead to wrong prediction
- ✓ unawareness may cause misguidance

- **BEHAVIOUR**

- ✓ Traffic management was considered in earlier methods but not the traffic density.
- ✓ We work on this basis using Principal Component Analysis causing TCP congestion and control.

- **CHANNEL BEHAVIOUR**

- ✓ As we have combined the algorithms of min max fairness and AMID, the data is accurately fetched and precisely given to user regarding maintenance of traffic.
- ✓ So, it will be useful to each and every user all over the time while travelling on the roads.

- **PROBLEM ROOT / CAUSE**

- ✓ unauthorised traffic leading loss of many lives
- ✓ unaware routes of damaged and wet roads, high dense traffic is unmonitored to the user.

- **OUR SOLUTION**

- ✓ In other projects the algorithms are confined to a specific aspect like monitoring traffic.
- ✓ In our project, we bring smart signs like monitoring traffic density and intimating user suggesting congestions of traffic and road signs.

SOLUTION ARCHITECTURE

