**Detailed idea of the application**

The idea behind our application “***E-Toll Plaza***” is that people encounter traffic at toll plaza due to manual transaction of money which result in long queue of vehicles in a line. To solve this problem, we have use the online payment concept; so that user can pay the toll tax prior to trip/travelling. We have used GIS to locate all the toll plaza provided with the traffic layer and street base map. GIS helps the user to select the path for his destination according to their wish.

The benefits of this application are –

1. Social

* It helps in controlling the traffic.
* Once the traffic is under control automatically the noise and air pollution will decrease to certain level.
* Traffic causes several health problems like asthma etc; traffic control can helps in reducing health problem

1. Emphasizes digitalization
2. Ease the mode of payment – no need to carry cash for the toll transactions
3. Non-stop movement of vehicles leading to lower fuel waste.
4. Reduce effort in management at toll plaza.
5. Helps police in tracking suspicious vehicles as there will be a record in the app server of vehicle passed from particular toll plaza.
6. It can be launch all over India at one go.
7. This application will be **economically profitable** if it will launch at national level because this application will have many users because in one day there are lakh of people travels and crosses toll plaza all over India. It will help user in getting easy passage thus people will use this application in vast level.

**Scalability**

* We can link our app with the ‘Adhar Card’ for less requirement for registration.
* We can extend for all toll plaza which is around 400 plus toll.
* We can track the vehicle on a map and trace its movement like google map for betterment for user travelling.
* We can use this app for the cabs like OLA and UBER which encounter toll frequently in big cities, they don’t have to pay all the time just scanning the qr code helps him to avoid multiple payment.
* This app can give the nearby location like petrol pump, hospital etc.