TRAFFPORT

*EVERY CITIZEN CAN BE A TRAFFIC CONTROL HERO!!*

**PROBLEM STATEMENT:-**

In this era of rapidly increasing population and urge to be present on time, traffic is a huge problem faced by people in metro cities in India. People use public transport and private vehicles too by which the number of vehicles increase at peak hours, which ultimately results in huge traffic by which people get agitated as well.

Although there are Traffic Control and Monitoring teams to monitor it throughout the day, it’s really a difficult task to keep a check on everything simultaneously. They can control this up to certain extent. However, the main responsibility lies on individuals.

In the current situation, the Traffic Control Team uses Closed-circuit television (CCTV) to capture the traffic area and the areas with a large number of traffic rules violation cases. There are some people who don’t obey the rules and due to which, other people face problems. Along with this, they have to control the city traffic as well. It is difficult for them to keep an eye on both the activities simultaneously.

Also, it is practically impossible for them to be physically present at all the places and handling the situation at a time.

**SOLUTION:-**

It’s the responsibility of every individual in country to respect and obey the traffic rules which is made for them so that they don’t face any kind of problem and also contribute their time, patience and sincerity towards traffic rules with traffic control and monitoring team.

If by any chance, the users can report incidents of traffic rules violation to the traffic control team, it would definitely reduce the traffic rules violation cases. So, here we are, with the solution.

The application called TRAFFPORT can make the work easier and faster for the traffic control team.

Through this application, users can report incidents of traffic rules violation directly to the traffic control team which will make their work easier. Users can describe the incident, click a photo and submit. The details will be shared with the Traffic control team and further action will be taken by them.

**ADVANTAGES OF APP:-**

* By using the app, workload of Traffic Control Team might decrease to a great extent.
* The App is developed with all the security and protection.
* There is no risk of getting entrapped in any fake situation.
* It provides the accurate data of date and time of the photo clicked.
* This data helps to crosscheck and make sure that no wrong data is fed inside.
* By the implementation of this app, every citizen will be able to report the traffic rules violators to the traffic control authority.
* So, the drivers will have this fear in their mind and thus, traffic rules violation will reduce rapidly.

**LIST OF THE SOFTWARES USED:-**

* The app is developed using Flutter framework.
* Dart programming language is used.
* For the Database and Storage Bucket, Firebase is used (Cloud Firestore for Database and Firebase Storage for storage)
* For UI design Figma: the collaborative interface design tool is used.

**LIST OF TASKS AND THEIR START AND END:-**

1. Create user application UI design:-

The UI design was created by Aniket Kumar. The User application was designed on an average phone frame size. The images were taken from Royalty free Image providing websites such as unsplash.com , pixabay.com , vectorgrove.com

The Admin Dashboard is created on a desktop frame. The National Emblem image and the Maharashtra police image are taken from Wikipedia.

Date –

1. Create admin dashboard UI design:-

Admin dashboard UI design is created by Aniket Kumar

Date –

1. Develop user application:-

User application is developed by Sparsh Singh

Date –

1. Develop admin dashboard:-

Admin dashboard is developed by Sparsh Singh

Date –

1. Test both application:-

The testing of both the application is done by All

Date –

1. Write the documentation:-

The documentation part is done by Shalini Pathak

Date - 30/08/2020 to 02/09/2020.

1. Create a presentation:-

The presentation is prepared by Jayshree Patil

Date – 28/08/2020 to 02/09/2020

**DEVELOPMENT DOCUMENTATION:-**

**CONCLUSION:-**