Problem Statement

**Driver Safety and Navigation Management App** : Tracks Driver Overspeeding and Auto-Reports the same by Generating an E-Challan.

With more than 4,67,044 road accidents have been reported by States and Union Territories (UTs) in the calendar year 2018, claiming 1,51,417 lives and causing injuries to 4,69,418 persons, **Over-speeding** accounted for 64.4% of the persons killed. The situation of Overspeeding in India has worsened by every passing day and thus an app to track the same becomes the need of the hour.

System Requirement

A web browser as all data processing is done alongwith the backend process.

Advantages of our web application:

1. User friendly UI to allow a smooth transition for all drivers
2. Aggregated list of all penalties due/to be paid by the driver
3. Ease of tracking (For the relevant authorities)

Disadvantages of existing mechanism:

1. Not seamless as it receives data from the app and then re-processes it

Star UML:

StarUML is a sophisticated software modeler aimed to support agile and concise modeling.

The main targets of users are:

* Agile and small development teams
* Professional persons
* Educational institutes.

The key features of StarUML are:

* Multi-platform support (MacOS, Windows and Linux)
* UML 2.x standard compliant
* Entity-Relationship diagram (ERD)
* Data-flow diagram (DFD)
* Flowchart diagram
* Multiple windows
* Modern UX
* Dark and light themes
* Retina (High-DPI) display support
* Model-driven development
* Open APIs
* Various third-party extensions
* Asynchronous model validation
* Export to HTML docs
* Automatic updates.

Conclusion:

This website will allow users who were penalised for speeding to pay their penalties in time and for the police to keep track of those who do not pay their penalties in time.