Requirements for the project:

1. Requirements of clients:

- **Primary KPI** - Total Casualties taken place after the accident
- **Primary KPI's** - Total Casualties & percentage of total with respect to accident severity and maximum casualties by type of vehicle
- **Secondary KPI's** - Total Casualties with respect to vehicle type
- Monthly trend showing comparison of casualties for Current Year and Previous Year
- Maximum casualties by Road Type
- Distribution of total casualties by Road Surface
- Relation between Casualties by Area/ Location & by Day/ Night

2. Assuming the end user as:

* Ministry of Transport

* Road Transport Department

* Police Force

* Emergency Services Department

* Road Safety Corps

* Transport Operators

* Traffic Management Agencies

* Media

3. Based on the dashboard prepared following decisions can be taken:

1. **Resource Allocation**: Analyse the areas or road types with highest no. of casualties to allocate resources such as emergency services, road maintenance etc.

2. **Infrastructure Investment:** Determine areas where infrastructure improvements are needed based on the analysis of casualty distribution by road type and road surface.
a. For example, if a significant number of casualties occur on a certain type of road or due to poor road surface conditions, investing in road maintenance or redesigning certain road segments may be necessary.

3. **Policy Changes:** Identify trends in casualty distribution by vehicle type and severity of accidents to inform policy changes or interventions aimed at improving road safety.

a. For example, if a particular vehicle type is associated with a higher proportion of casualties, regulations or safety campaigns targeting that vehicle type may be implemented.

4. **Collaboration and Communication:** Share insights and collaborate with relevant stakeholders such as the Ministry of Transport, Road Transport Department, Police Force, and Emergency Services Department to develop coordinated strategies for improving road safety.

- Regular communication and data sharing among these agencies can facilitate a more proactive approach to addressing road safety issues.

5. **Public Awareness and Engagement:** Use the dashboard to create reports or presentations for the public and media, raising awareness about road safety issues and initiatives taken to address them.

- Engaging the public in road safety efforts can lead to greater compliance with regulations and safer driving practices.