

Road Accident Data Analysis

Project Description:

Analysing The Road Accident Data Using Microsoft Excel for Data Collection, Microsoft SQL Server for Data Management and Microsoft Power BI For Data Visualization to Find Trends, Patterns and Insights for Better Decision-Making.

Problem Statements:

Primary KPI's:

- Total Number of Accidents.
- Total Number of Casualties Occurred After Accident.
- Total Number of Vehicles.
- Accidents Distribution by Vehicle Type, Road Type, Road Surface.
- Casualties Distribution by Vehicle Type, Road Type, Road Surface.
- Year wise Monthly Trends.
- Region Wise Trends.
- Peak Accident Hour.
- Weekly Trends.
- Casualties Distribution by Accident Severity.
- Distribution By Junction Control and Junction Detail.
- Min And Max Speed Limit.
- Correlation of Weather Conditions with Accidents.