

# Incident Management System

## About:

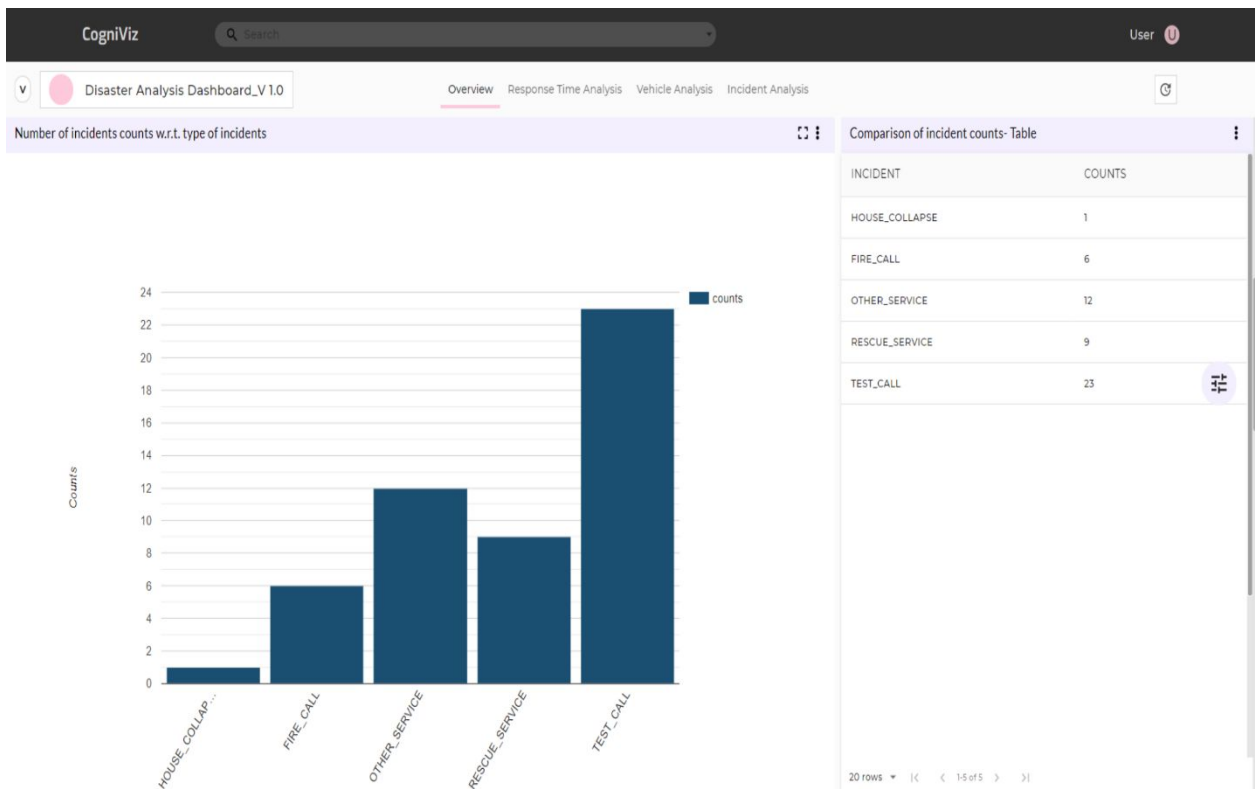
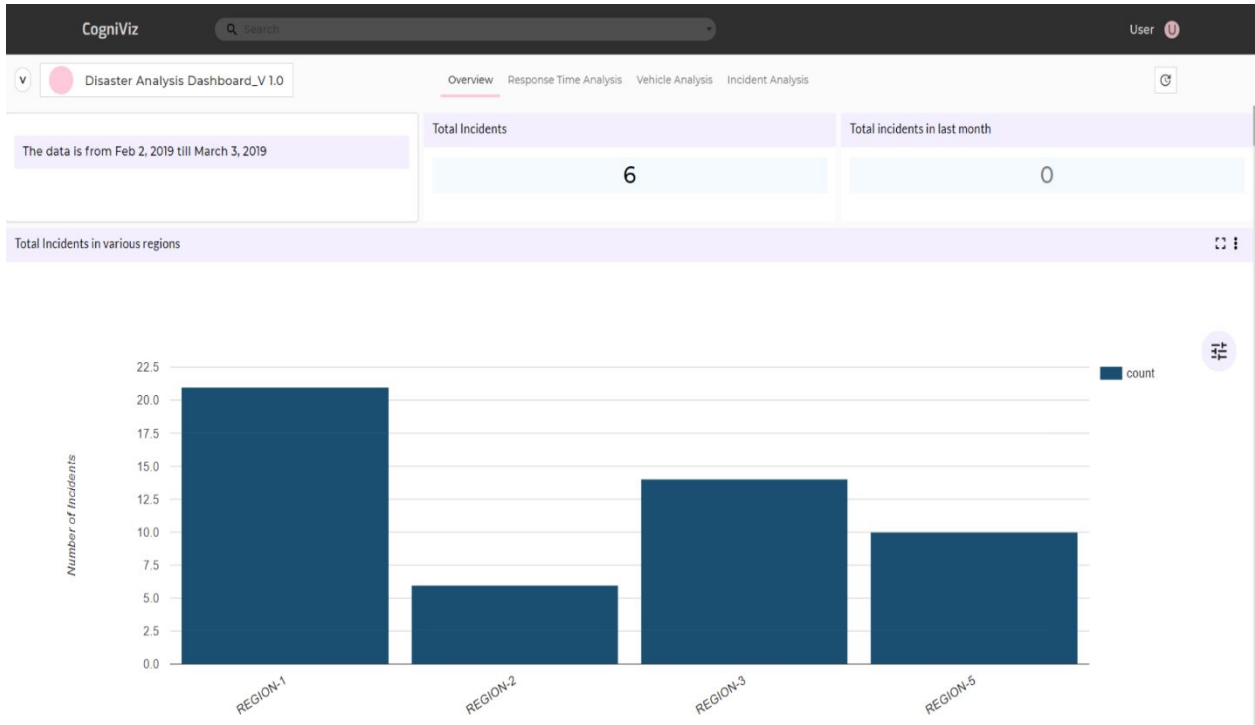
CogniTensor's Incident Management System is a combination of correlation analytics and predictions dashboards that are designed specifically to allow you to track and manage any imminent incidents that may arise, making use of powerful predictive and descriptive analytics. It also enables you to make data-driven decisions with high accuracy, based on real time advanced and predictive analytics for all emergency incidents and related resources.

The predictive analytics is given using combinations of cutting-edge machine learning and deep learning models, backed by advanced research. These algorithms have been tailored specifically to handle complex data coming from the services that monitor the incidents.

Each of the dashboards are powered by actionable descriptive analytics that compliments predictions for the future and in turn gives your organisation a head start for an optimised management of resources.

## Features and Specifications:

1. **Integrated** with industry leading AI techniques and models
2. **Provide the complete Overview Analytics** about all Emergency Incidents happening in a State/Region/City, including: Response Time Analytics, Resource Analytics and Incident Analytics
3. **Provide AI based Predictive Analytics** on future Emergency Incidents and resources required
4. **Drill down by multiple categories:** Fire Station, Type of Incident, Period of time, etc for Live and Predictive Analytics
5. The predictive models are capable of **self-learning**, hence getting better performance over time.
6. **Highly customizable** dashboards with ability to customize each component.
7. **Actionable recommendations** can be provided based on action history plus future predictions.
8. **Easy integration support** with databases management systems such as oracle, postgres, etc.
9. Similar experience on mobile through dedicated **mobile app** for **IOS** and **android** devices.



### Summary

Total Incidents in year 2020 are 1187, in this month are 349 and total incidents in the chosen duration are 278.

The average response time for this year is 2.81 minutes, for this month is 1.50 minutes and the average response time in the chosen duration is 2.0 minutes.

The total vehicles allocated in the current year are 946, in the current month are 343 and in the chosen duration are 181

#### Response Time

Station **STATION\_2**  
Current Response Time (minutes) **16**

#### Predicted response time

Station **STATION\_2**  
Predicted Response Time (minutes) **19.0**

#### Best Performer

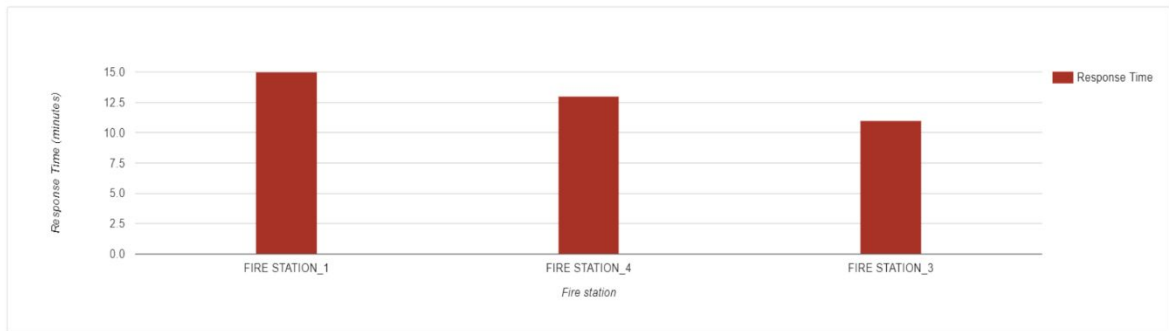
Station **STATION\_4**  
Response Time **12.31**

#### Predicted Incident

Station **STATION\_2**  
Predicted Fault **TEST\_CALL**

Response Time of various regions of Mumbai

Fire station wise details for REGION-3



STATION	RESPONSE TIME (AVG IN MINUTES)	ACKNOWLEDGEMENT TIME (AVG IN MINUTES)	LEAVE TIME (AVG IN MINUTES)	TRAVEL TIME (AVG IN MINUTES)	TOTAL TIME (AVG IN MINUTES)
FIRE STATION_1	15	1.041	4.37	11.05	15.46
FIRE STATION_4	13	1.11	6.85	6.5	13.37
FIRE STATION_3	11	1	3.85	7.16	11.03

CogniViz

Search

User

v

Disaster Analysis Dashboard\_V 1.0

Overview Response Time Analysis Vehicle Analysis Incident Analysis

G

### Summary

Total incidents in year 2020 are 1187, in this month are 349 and total incidents in the chosen duration are 278.

The average response time for this year is 2.81 minutes, for this month is 1.50 minutes and the average response time in the chosen duration is 2.0 minutes.

The total vehicles allocated in the current year are 946, in the current month are 343 and in the chosen duration are 181

### Predicted Requirement

For STATION\_1 in the coming date 1/1/2020 we need 23 vehicles

#### Vehicle usage region wise

