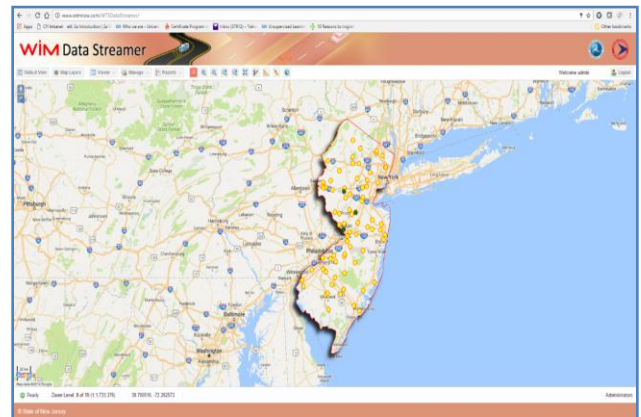

INTEGRATION WITH INTELLIGENT TRANSPORT SYSTEM (WEIGH IN MOTION)

About:

NeST developed a solution for integrating the traffic data information from WIM (Weigh in Motion) sensors installed on highways of a State in United States.

Project details:

The raspberry interface of the WIM sensor captures live traffic data/photos and is send to the server. This data is organized in the DB using PostgreSQL partition technology. Server processes each traffic data based on the rules configured and generates alerts. An administration web interface is developed for access control management and starting and stopping live feeds and simulators.



A predictive model is developed using ML (Machine learning) algorithms. ML algorithms discover patterns in data, and construct mathematical models using these discoveries. These models are used to make predictions on future data.

Following are the solutions developed:

- Visualization of Live feeds
- Historic traffic data query interface
- Alert Viewer with pursuit Option
- Live statistics of the selected station
- Viewer function for IRD Binary file
- Live feed subscription using API

Tools and software platforms:

Open layers, custom tile servers, PostgreSQL, ExtJS, Amazon Cloud Computing environment.

