**Description of the various fields in the CSV data file(s) for the TACTiCS IoT Analytics Challenge**

Data given in the csv files is collected from TCS buses plying in the city of Chennai. The data has been logged when the buses operate to pick-up and drop-off associates during the morning and evening times. This data has been collected by installing GPS and other relevant sensors inside a sub-set of TCS buses. Data in one CSV file corresponds to sensory data collected from one bus.

* time\_stamp - This is the timestamp with time zone defined. So please ignore +5:30 as all of them are in India time zone only.
* procedure\_id - The full name of the sensor
* feature\_of\_interest\_id -The device ID on which the sensor is attached.
* phenomenon\_id - The full name of the sensor features. It will be one of the following four features:

1. Route ID - The route on which that particular bus was travelling
2. JourneyDirection - It will be either "Pickup" or "Drop"
3. Location - The Longitude and latitude value of the bus's GPS position at that point of time
4. Speed - The speed obtained from GPS sensors (miles/hour)

* offering\_id - No significance as the value is same for all
* text\_value - The string containing either RouteID or Journey Direction
* numeric\_value - The speed in miles per hour
* st\_astext - The longitude value followed by latitude value
* mime\_type - No significance as the value is same for all
* observation\_id - An ever increasing value only required for database sanity check