**Template working process**

**Dec\_template:**

Displays all location (sensor) data in a Sheet andPlots a cumulative chart representation and displays in another Sheet

1. User enter the submit button in get-data dialog box then call **querydata()** and In **querydata()** function call **weradiate\_DT\_loadTemplate()**
2. In **weradiate\_DT\_loadTemplate()** function call the **weradiate\_DT\_init\_DEC\_template()**  and in this function passed parameter as **weradiate\_DT\_hClient**  array and spreadsheet
3. **weradiate\_DT\_hClient**  array contains token,selectedFromdate,selectedTodate, selectedAggregator, selectedTemplate, selectedRefCount
4. **weradiate\_DT\_init\_DEC\_template()**  gets data using openclienthandler then call **weradiate\_DT\_Fillcontents\_DEC\_template()** and this function fill the all data in spreadsheet then call **only one time outside the for loop** **weradiate\_DT\_plot\_chart\_DEC\_report()**
5. **weradiate\_DT\_plot\_chart\_DEC\_report()**  fill chart contents in spread sheet then call **weradiate\_DT\_createEmbeddedLineChart\_()** and passed parameter as **chart\_sheet,** spreadsheet, chart\_flag, xrange, yrange, reference\_range
6. In this function **chart\_flag=0** beacause display cummulative chart so set chart flag is zero

**Template\_model1:**

Each Sheet has location (sensors) data and respective charts plotted, and N Sheets for N number of locations available in the Client.

1. User enter the submit button in get-data dialog box then call **querydata()** and In **querydata()** function call **weradiate\_DT\_loadTemplate()**
2. In **weradiate\_DT\_loadTemplate()** function call the **weradiate\_DT\_init\_mode1\_template()**  and in this function passed parameter as **weradiate\_DT\_hClient**  array and spreadsheet
3. **weradiate\_DT\_hClient**  array contains token,selectedFromdate,selectedTodate, selectedAggregator, selectedTemplate, selectedRefCount
4. **weradiate\_DT\_init\_model1\_template()**  gets data using openclienthandler then call **Nth time weradiate\_DT\_Fillcontents\_model1\_template()** and this function fill the all data in spreadsheet then call **weradiate\_DT\_plot\_chart\_model1\_report()**
5. **weradiate\_DT\_plot\_chart\_model1\_report()**  fill chart contents in spread sheet then call **weradiate\_DT\_createEmbeddedLineChart\_()** and passed parameter as spreadsheet,spreadsheet, chart\_flag, xrange, yrange, reference\_range
6. In this function **chart\_flag=1** beacause display each location separate spread sheet and in that same spreadsheet half data and chart

**Template\_model2:**

First Sheet displays all the location (sensor) data and chart representation for each sensor (Site specific) provided in separate sheets and cumulative chart representation of all sensors in the last Sheet.

1. User enter the submit button in get-data dialog box then call **querydata()** and In **querydata()** function call **weradiate\_DT\_loadTemplate()**
2. In **weradiate\_DT\_loadTemplate()** function call the **weradiate\_DT\_init\_model2\_template()**  and in this function passed parameter as **weradiate\_DT\_hClient**  array and spreadsheet
3. **weradiate\_DT\_hClient**  array contains token,selectedFromdate,selectedTodate, selectedAggregator, selectedTemplate, selectedRefCount
4. **weradiate\_DT\_init\_model2\_template()**  gets data using openclienthandler then call **Nth time weradiate\_DT\_Fillcontents\_model2\_template()** and this function fill the all data in spreadsheet then call **weradiate\_DT\_plot\_chart\_model1\_report()**
5. **weradiate\_DT\_plot\_chart\_model2\_report()**  fill chart contents in spread sheet then call **weradiate\_DT\_createEmbeddedLineChart\_()** and passed parameter as **chart\_sheet,** spreadsheet, chart\_flag, xrange, yrange, reference\_range
6. In this function **chart\_flag=0 and chat\_flag=1** beacause display each location separate chart representation and cummulative chart

**Template\_model3:**

Displays sensor data and its chart representation in a Sheet (Pile specific), N Sheets for N Piles available in the Site.

1. User enter the submit button in get-data dialog box then call **querydata()** and In **querydata()** function call **weradiate\_DT\_loadTemplate()**
2. In **weradiate\_DT\_loadTemplate()** function call the **weradiate\_DT\_init\_model3\_template()**  and in this function passed parameter as **weradiate\_DT\_hClient**  array and spreadsheet
3. **weradiate\_DT\_hClient**  array contains token,selectedFromdate,selectedTodate, selectedAggregator, selectedTemplate, selectedRefCount
4. **weradiate\_DT\_init\_model3\_template()**  gets data using openclienthandler then call **Nth time weradiate\_DT\_Fillcontents\_model3\_template()** and this function fill the all data in spreadsheet then call **weradiate\_DT\_plot\_chart\_model1\_report()**
5. **weradiate\_DT\_plot\_chart\_model3\_report()**  fill chart contents in spread sheet then call **weradiate\_DT\_createEmbeddedLineChart\_()** and passed parameter as spreadsheet**,** spreadsheet, chart\_flag, xrange, yrange, reference\_range
6. In this function **chart\_flag=1** because displaysensor data and its chart representation in a Sheet .