Force/Torque Sensor Telemetry and Web Service Guide

1. Install Java 8 (available in the software folder)
2. Open Eclipse Mars (available in the software folder)
3. For Telemetry,
   1. Open Eclipse and select “Import” from the File Menu.
   2. From the “Import” dialog, select “Existing Project into workspace” under “General”.
   3. Click on “Next” and choose the root directory of the project. (For us, Force\_Torque project folder).
   4. Wait, until loading completes.
   5. Expand the “Force\_Torque” in the left pane and double click on “FT\_Main.java” (Force\_Torque->src->ft->FT\_Main.java)
   6. Press Ctrl + F11 to execute.
4. For Webservices,
   1. Extract the Apache Tomcat into any local drive. (available in the software folder)
   2. Open Eclipse and select “Import” from the File Menu.
   3. From the “Import” dialog, select “Existing Project into workspace” under “General”.
   4. Click on “Next” and choose the root directory of the project. (For us, Force\_Torque\_Rest\_Demand project folder).
   5. Wait, until loading completes.
   6. Expand the “Force\_Torque\_Rest\_Demand” in the left pane and double click on “ReadData.java” (Force\_Torque\_Rest\_Demand->Java Resources -> src-> ReadData.java)
   7. Before running, we have to configure Apache Tomcat. So, right click on Force\_Torque\_Rest\_Demand and right click and select “Run as” and Select “Run On Server”.
   8. From the dialog box, choose “Choose an existing server” if available else choose, “Manually define a new server”.
   9. Let everything default and we have to add “Server Runtime Environment”. For that, click on “Add…” link in the dialog box.
   10. In the “New Server Environment Environment”, enter name and browse to “Tomcat Installation Directory” (For Example : C:\Users\Thanga\Downloads\Compressed\apache-tomcat-7.0.64\apache-tomcat-7.0.64)
   11. Click Finish on all dialogs and Server is ready.
   12. Press Ctrl + F11 to execute.
   13. http://<ipaddress:port>/sensor/readdata?ip=<ipAddress>&port=<port> (For Example : [http://localhost:8080/sensor/readdata?ip=10.200.209.143&port=65503](http://localhost:8080/sensor/readdata?ip=10.200.209.143&port=65503&type=measurement) )

Requirements:

1. Eclipse Mars
2. Java 1.8
3. Apache Tomcat 7.0