Intermediate report CIT

2019 Week 10

* Drilling session (2019-03-07): 3 drilling sessions with different positions of the accelerometer.
* SQL-database: made most of the progress on storing the data from XBEE module, accelerometer and time of flight (ToF) sensor.
* Half way through fixing the time of flight (ToF) sensor.
* SQL Graph visualization tool :
  + Features: can be launched from raspberry pi, can run query on the database, runs on PC browser.
  + Currently under operational condition but need to fix the performance for larger data sets (screenshot attached).
* In-progress for next week:
  + Improving the efficiency of SQL Graph visualization tool.
  + constructing the data pipeline for connecting the SQL data base and the machine learning algorithm.

