**Assigned Task:**

Simulations of Battery Management System(BMS) on MATLAB.

**Purpose:**

To create a prototype initially before trying to replicate a fully functional Autonomous

Vehicle.

**Tools/Software used:**

* <http://www.youtube.com/>, <http://www.coursera.org/>
* MATLAB
* OCTAVE

**Progress:**

Read up quite a number of papers on topics relating to simulation of the BMS system along with videos. Below attached are links of papers and videos read and watched respectively:

* **PAPERS & COURSES**

1. <https://ieeexplore.ieee.org/document/5982950>
2. <https://www.mathworks.com/discovery/battery-management-system.html>
3. <https://www.coursera.org/learn/equivalent-circuit-cell-model-simulation/home/welcome>
4. <http://data.conferenceworld.in/GSMCOE/P248-252.pdf>
5. <https://ieeexplore.ieee.org/document/8242100>
6. <https://ieeexplore.ieee.org/document/5585392>

* **YOUTUBE**

1. <https://www.youtube.com/watch?v=OFWCFefmvnM>
2. <https://www.youtube.com/watch?v=QoIV8FNjuEA>

Progress for this sprint: 60%

Issues: Not yet raised

Plan made:

1. Continue with Simulations in the upcoming week as well and begin implementing in MATLAB.
2. Once simulations are done with,I shall begin with the creation of a blueprint of the system to be created practically.

**Prepared By:**

**Kush Jain**