sdmay18-32: Machine Learning / AI / Big Data Analytics
Week 5 Report
September 30 - October 20

Team Members
Smriti Manral — *Lead Test Engineer / Test Designer*
Derek Bruun — *Embedded Systems Lead / Hardware Integrations*
Victoria Rasavanh — *Communications Lead / Webmaster*
Brian Lindsay — *Software Integrations Lead / Dev Tools Manager*
Jess Walters — *Lead Architect / Tech Lead*

Summary of Progress this Report
These past few weeks have unfortunately been a little sparse, due to our equipment arriving at a slower pace than expected. Only three team members have received their Danfoss-mandated laptops, with some further setup by the IT needed. We have also since received the time stamp data associated with the assembly line we'll be working with, as well as the license key for Ignition. Most of our time has been dedicated to the research of the technologies we hope to use for our project, as well as some repo setup.

Pending Issues
- Two team members lack the proper laptops.
- Current laptops still need a bit of configuration by IT
- Currently waiting on a Toad license
- Due to some setup issues, we are returning our Tesla K80 and replacing it with two 1080ti's. We are also waiting on a new power supply.

Plans for Upcoming Reporting Period
This upcoming period, we expect to receive the remainder of our equipment, as well as finish set up. We also want to start taking a closer look at the data given to us.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Smriti Manral	Researched potential use of Tensor Flow, as well as machine learning/neural network principles	10	19.5
Derek Bruun	Researching Toad implementation, laptop setup	8	18
Victoria Rasavanh	Researching/playing around IBM Watson API, laptop setup, general upkeep of the team website	8	18.5
Brian Lindsay	Added Danfoss MES data to repo, wrote	10	19.5

	functions to do basic parsing and sorting of data		
Jess Walters	Added database and schema to team repo, initial server pickup/setup/troubleshooting, created proposal for alternate server setup, laptop setup	10	20