

Project Status Letter

PSL number: 03

Covering period from: 02/03/18 to 02/09/18

Prepared by: Nakul Talwar & Kevin Kong

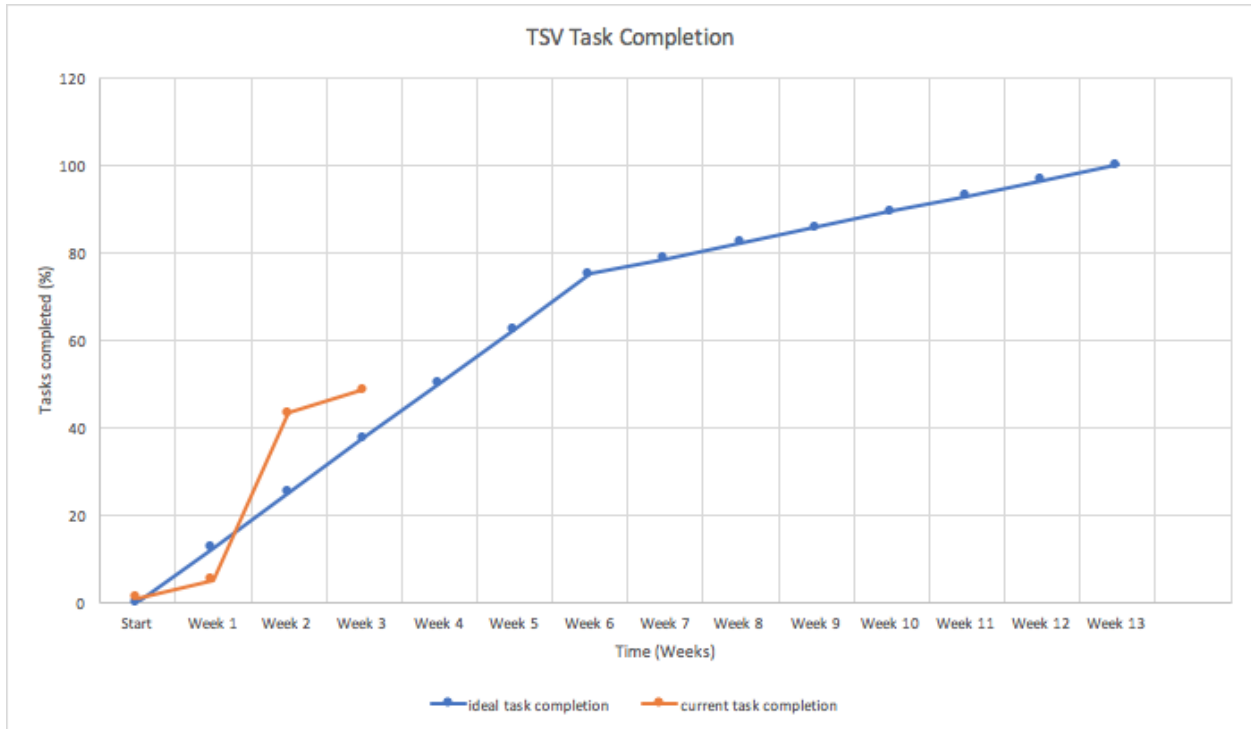
Tasks Summary from previous week:

Team	Tasks completed	Tasks planned for next week	Proposed changes	Overdue WBS items
TSV	<p>Sarah: TSV 2.1.1 - Record all board status TSV 2.1.3 - Verified Boards with AMSVU</p> <p>Shu: TSV 6.2 - circuit modeling for discharge algorithm (02/09)</p> <p>Waseh: TSV 3.2 - 4 Packman working with test unit TSV 2.1 All AMS boards working</p>	<p>Sarah: TSV 2.4 - Diagram for the monitoring board connections (2/14) TSV 2.5 - Parts ordered for new AMS boards (2/14)</p> <p>Shu: TSV 6.3 - data collection for discharge algorithm (02/16)</p>	<p>Order 10 new AMS Boards</p> <p>Remove TSV 1 Remove TSV 5</p> <p>added TSV 2.4 - Diagram for the monitoring board connections TSV 2.5 - Parts ordered for new AMS boards TSV 2.6 - Fabrication of AMS boards TSV 2.7 - Install I2C cables</p>	N.A
Dyno	<p>Chen: Dyno 4.3 - Motor spins again (02/09/2018)</p>	<p>Chen: Dyno 4.1 Finish building the functionality of the new software Dyno 4.2 Make sure the new program will be reliable enough for test.</p>	N.A	N.A.
Cooling System	<p>Russell: Cooling 1.2 -Integrate the converter with the motor</p>	<p>Russell: Cooling 2.1 - Design new cooling system box/setup (02/14) Cooling 2.4 - Create wires for the cooling system (02/16)</p>	N.A	N.A.
VSCADA	<p>Connor: SCADA 2.1 - Monitor CAN data and flag values that exceed thresholds in config file SCADA 1.7 - Export data from database to CSV file.</p>	<p>Connor: SCADA 2.4 - Log data that exceeds thresholds (02/14) SCADA 3.7 - Python Display for GLV (02/16)</p>	<p>Added SCADA 2.3 2.4 2.5 SCADA 3.5 3.6 3.7 SCADA 4.5 4.6</p>	N.A

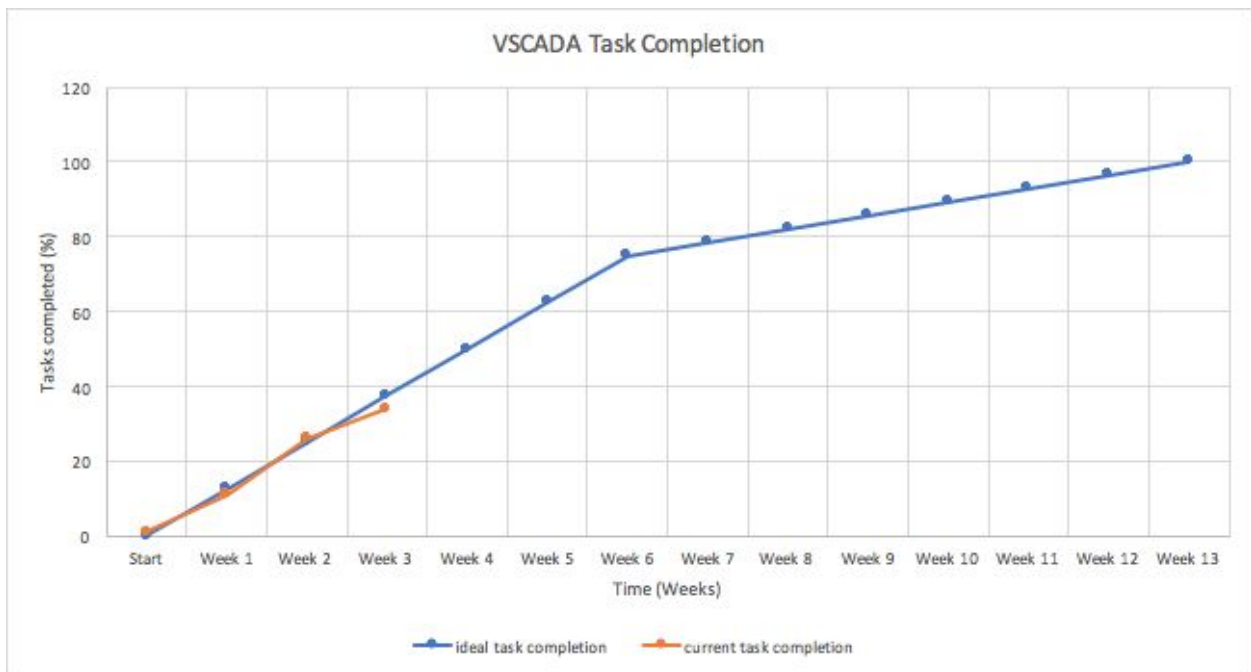
	Geoff: SCADA 2.2 - Turn CAN Data into something meaningful	Geoff: SCADA 3.2 - Create UML Diagram for users (02/13) SCADA 2.3 - Processing Binary CAN data (02/14)		
TSI	Austin: TSI 4.6 - Parts Lists/ Bill of Materials Thomas: Code written for TSI 2.1: Current Measuring Delivered Code written for TSI 2.2 IMD Status Delivered Peter: TSI 1.1.1 - Delivered TSAL Circuit TSI 1.1.2 - Delivered Plausibility Adjustment Changes	Austin: TSI - 3.3 Calibration of Current Sensor (02/14) TSI - 2.3 Temperature Sensor Delivered (02/16) Thomas: TSI 2.1 - Current Measuring Delivered (02/14) TSI 2.2 - IMD Status Delivered (02/14) TSI 2.6 - Voltage measurement Peter: TSI 1.1.3 - Finished the layout (02/14)	Added TSI 2.6 - Voltage Measurement TSI 2.4.6 - Sending voltage measurement to SCADA over CAN TSI	Austin: TSI 3.5 -IMD Test Thomas: TSI 2.1 - Current Measuring Delivered TSI 2.2 - IMD Status Delivered
Interconnect	Matt: IC 1.2.2 - Identify low quality cables Waseh: IC 1.3.1 - Diagram for Amphenol Connectors IC 1.3.2 - Amphenol Connectors ordered	Matt: IC 1.3.3 - Install Amphenol connectors and shielded cable (02/14) IC 1.2.3 - Order replacement cables (02/13) IC 1.3.4 - Order/prepare more orange cables (02/13) IC 1.2.7 - Necessary Tools listed/ Ordered (02/14)	N.A	N.A.
GLV	N.A	Kevin: GLV 1.2 - Circuit board design/fabrication that adept SSOK (2/13) GLV 2.1 - Draw GLV wiring diagram (2/15) Russell & Kevin: Rewire GLV in the new case (2/19)	Edited GLV 1.2 Circuit board design/fabrication that adept SSOK GLV 1.3 Removed Changed GLV 2.2 to Draw GLV wiring diagram Changed GLV 2.3 to Rewire GLV in the new case	N.A.
Management	Kevin & Nakul: MGMT 1.2 - Project Status Letter - week 2	Kevin & Nakul: MGMT 1.3 - Project Status Letter - week 3 Waseh: MGMT 8.8 ESF-2 delivered	N.A	Nakul: MGMT 4.2 - Select stickers to order/ make stickers MGMT 5.3 - Select and order fuses

	Nakul: MGMT 5.1 - Document all existing fuses on the car MGMT 5.2 - Document /cross reference existing fuses with the rules			Waseh: MGMT 8.8 - ESF-2 delivered
--	--	--	--	---

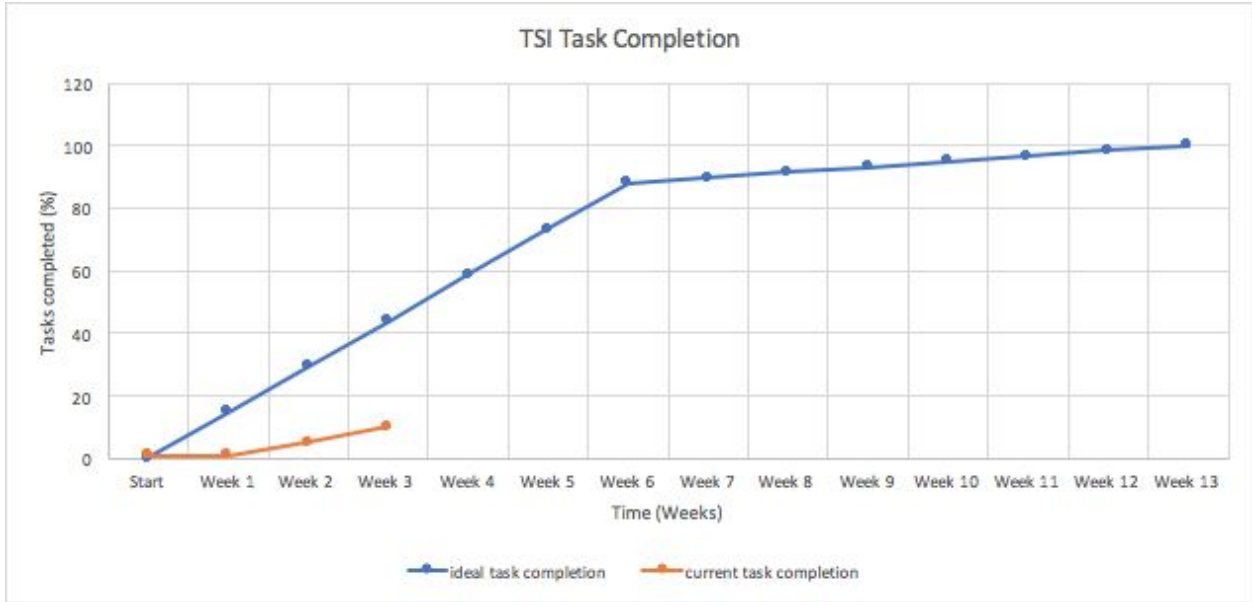
Progress Graph:



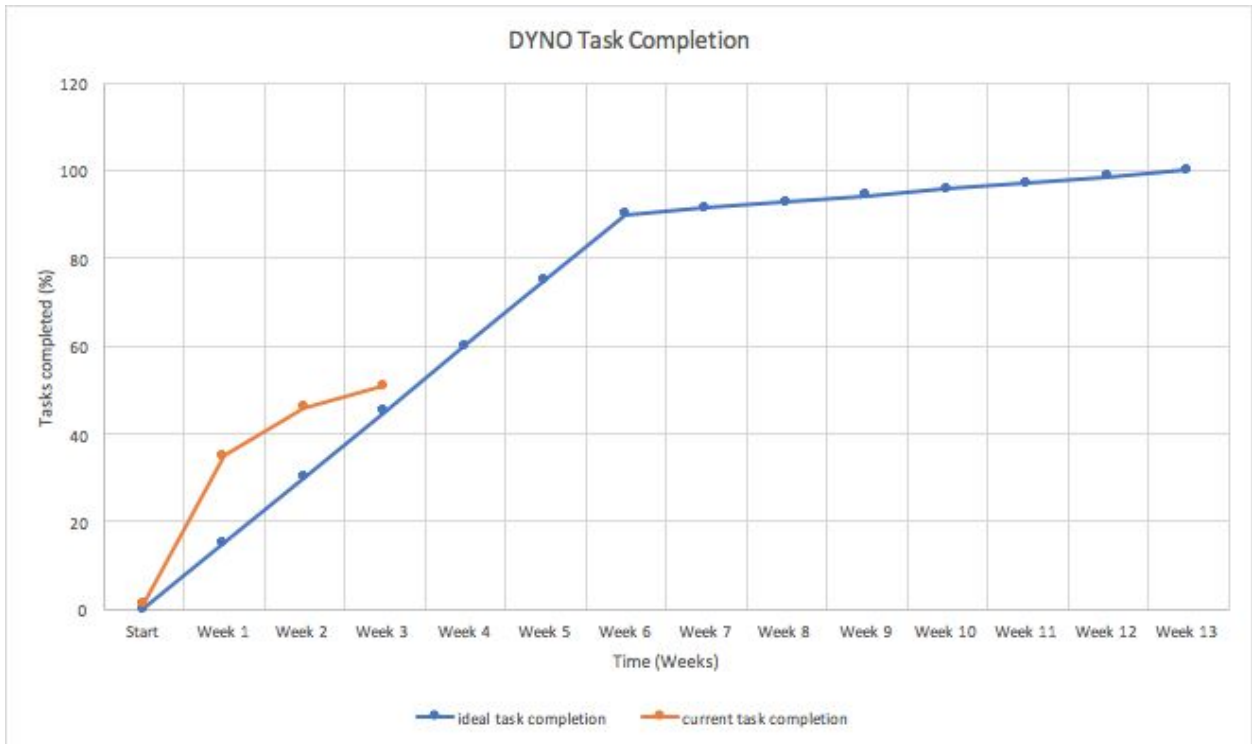
TSV Completed: 48.5%



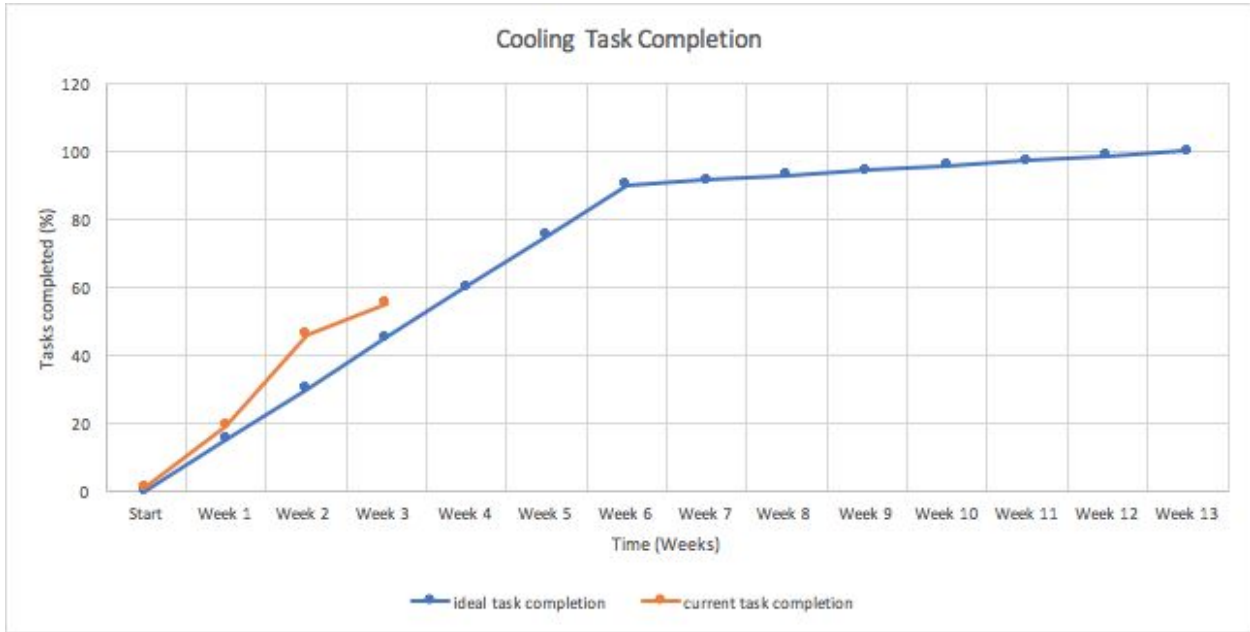
VSCADA Completed: 34%



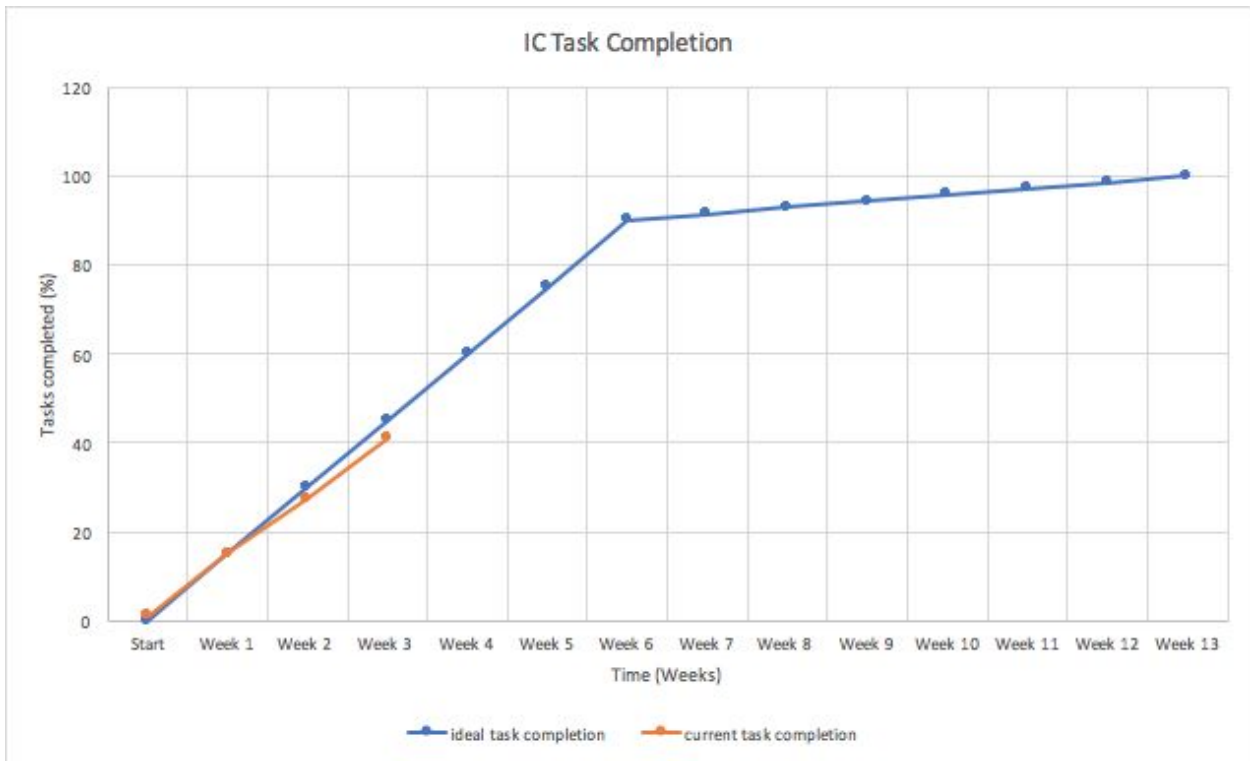
TSI Completed: 10%



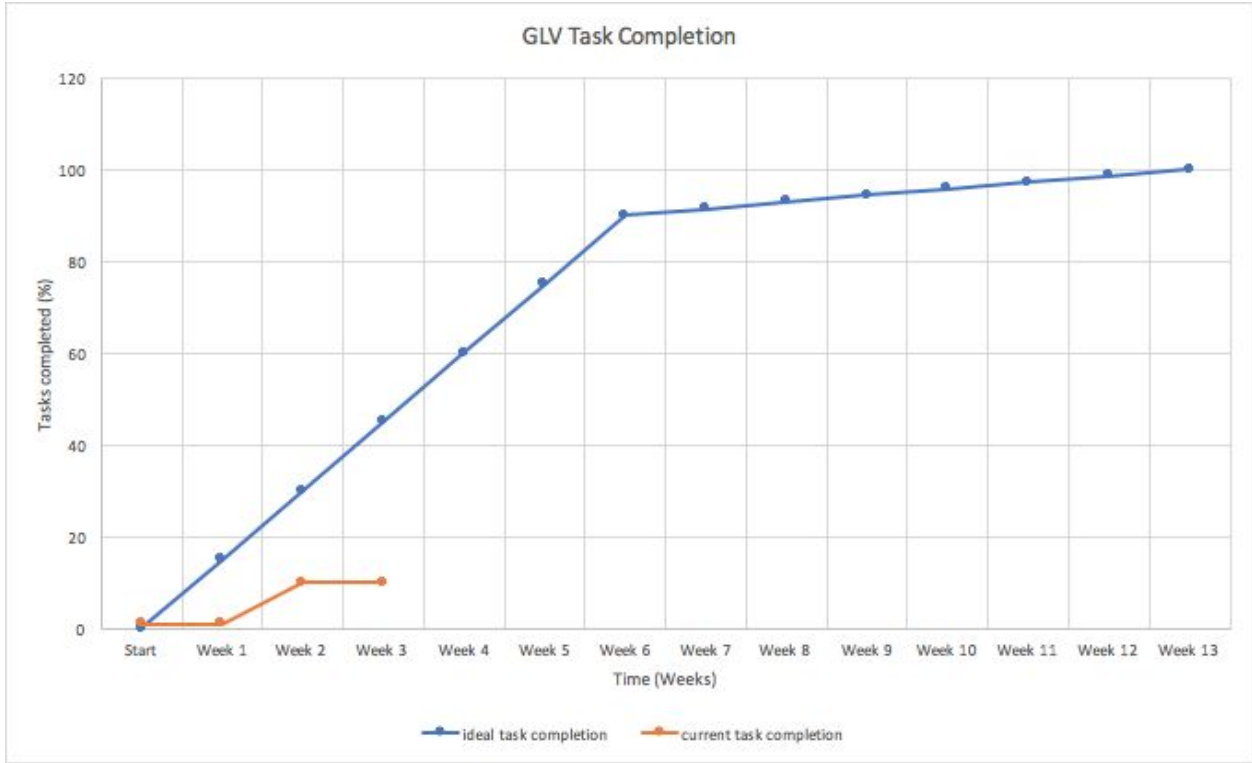
Dyno completed: 51%



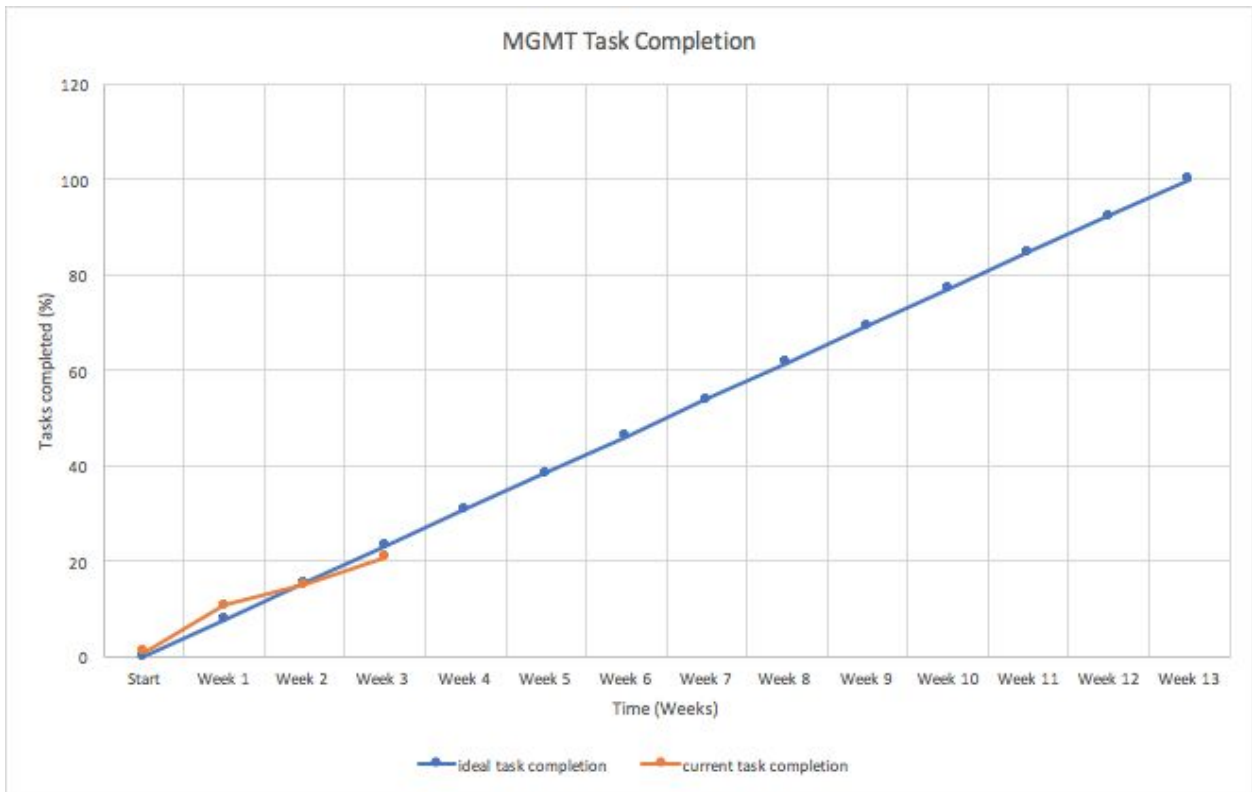
Cooling completed: 55%



IC Completed: 41%



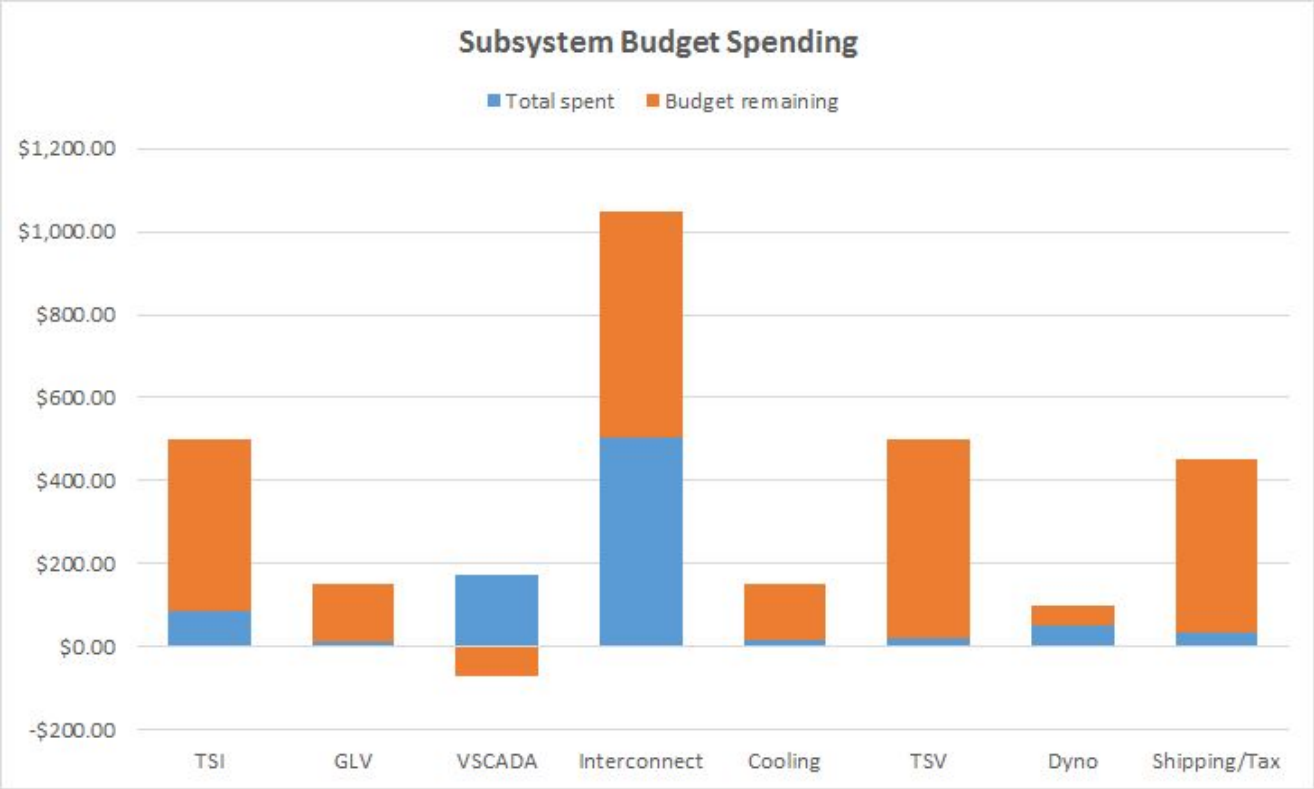
GLV Completed: 10%



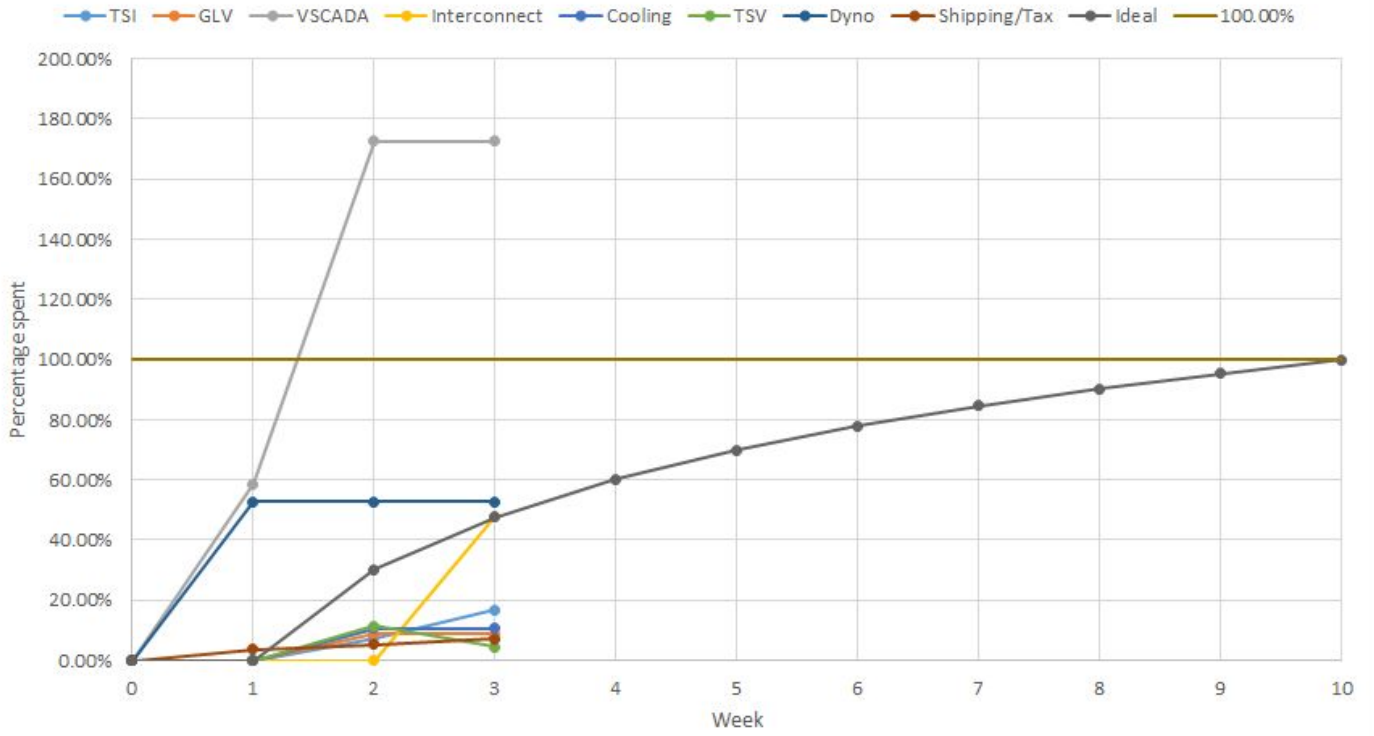
MGMT Completed: 20.8%

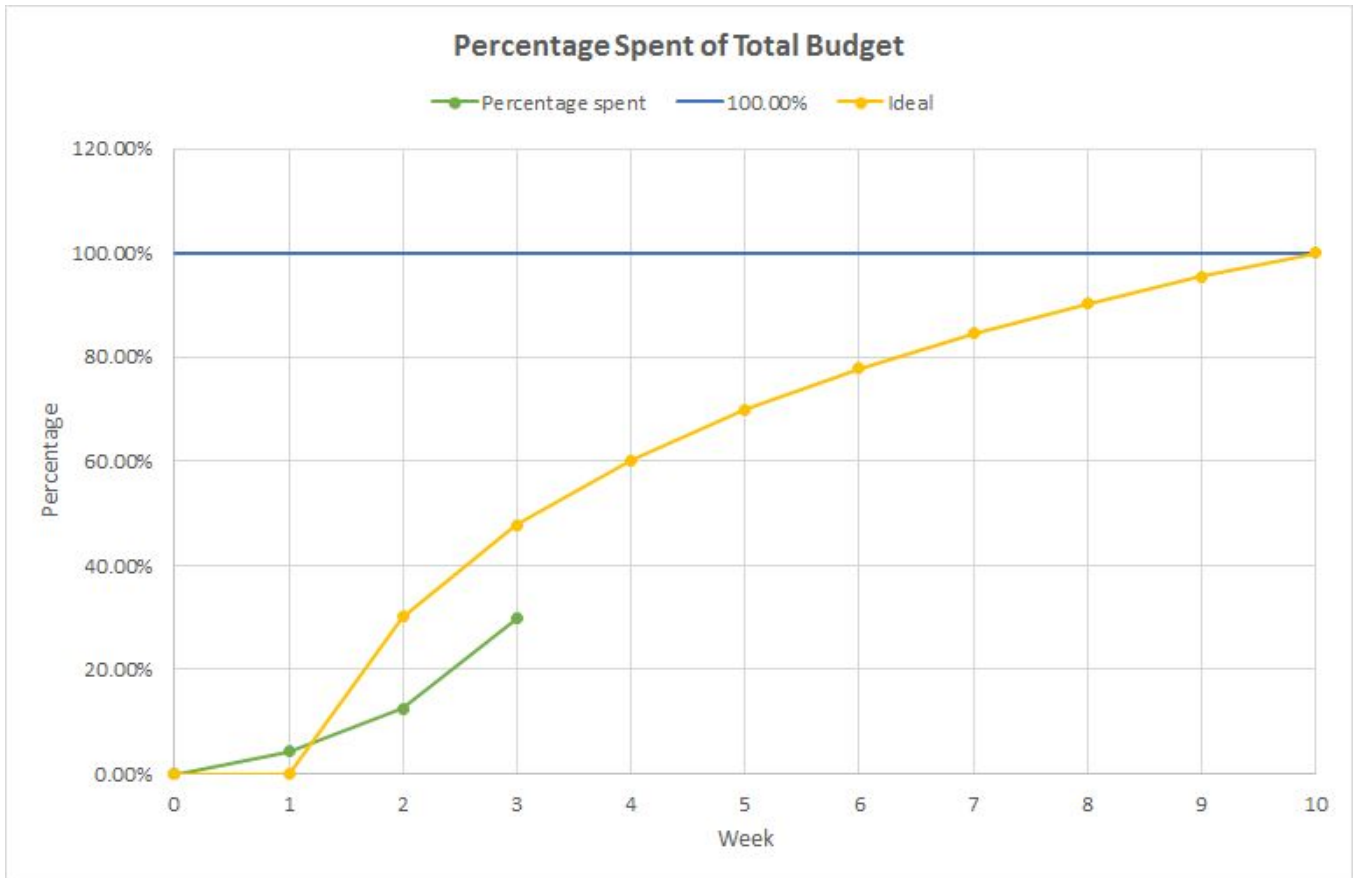
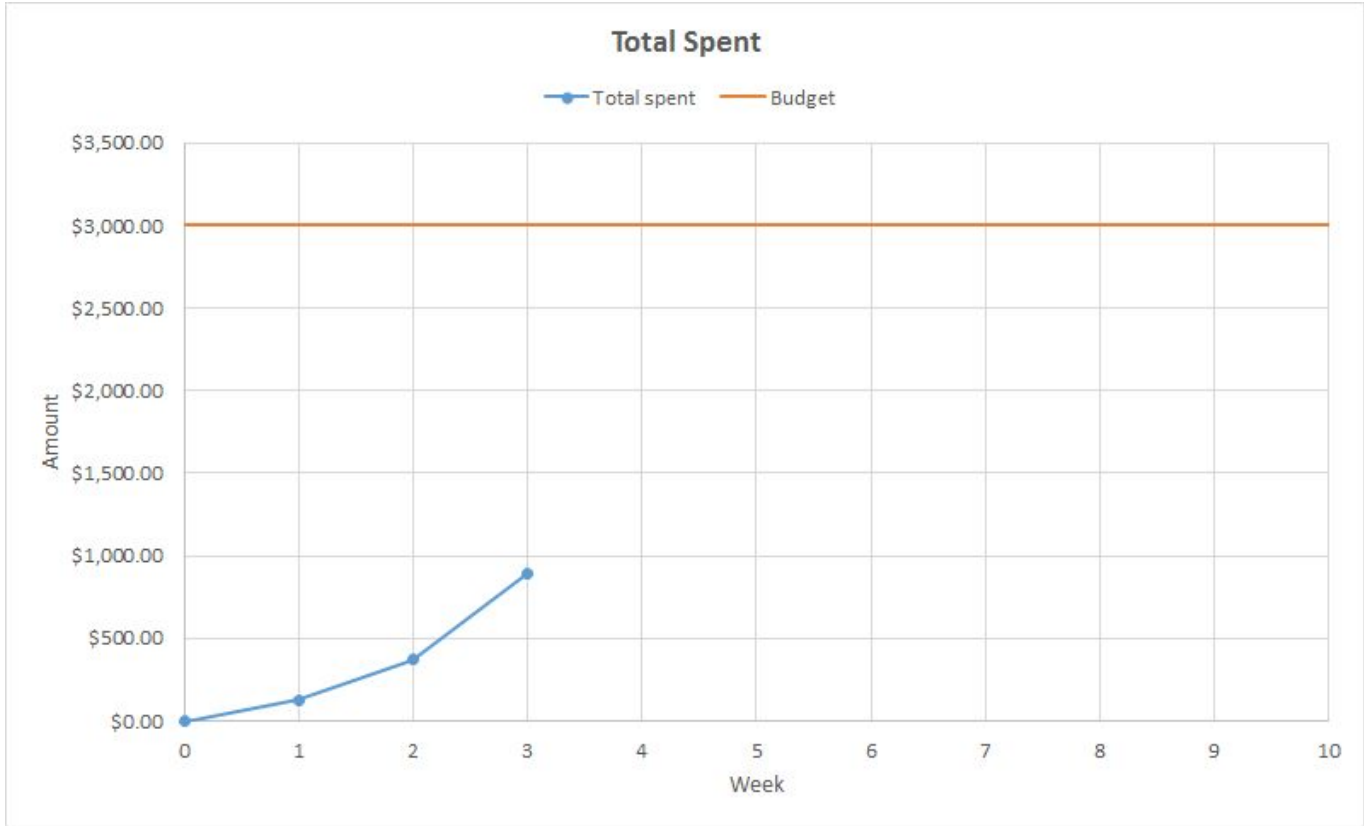
Purchasing Summary From Previous Week:

Subsystem	Spent this period	Spent to date	Budget Allocated	Budget Remaining	Percentage Spent
TSI	\$11.52	\$83.95	\$500.00	\$416.05	16.79%
GLV	\$0.00	\$12.98	\$150.00	\$137.02	8.65%
VSCADA	\$0.00	\$172.59	\$100.00	-\$72.59	172.59%
Interconnect	\$502.68	\$502.68	\$1,050.00	\$547.32	47.87%
Cooling	\$0.00	\$15.99	\$150.00	\$134.01	10.66%
TSV	\$0.00	\$22.49	\$500.00	\$477.51	4.50%
Dyno	\$0.00	\$52.80	\$100.00	\$47.20	52.80%
Shipping/Tax	\$7.99	\$31.86	\$450.00	\$418.14	7.08%
Total	\$522.19	\$895.34	\$3,000.00	\$2,104.66	29.84%



Percentage Spent of Subsystem Budget Allocations





Appendix:

ECE Department Material Request

Course: ECE 492
Professor: Nadovich

Req Number: 9

Requested By	Nakul Talwar
Date	2/5/2018
Email	talwarn@lafayette.edu
Phone	610-716-5293

Vendor:	Mouser
Web Site	www.mouser.com
Phone	(888) 346-6873
Ship By:	USPS Priority Mail

#	Quantity	Mouser #	Description	Requester	Unit Price	Total Price	Rcvd
1	5	654-PL00W-301-10D10	Heavy Duty Power Connectors	Waseh Ahmad	\$23.59	\$117.95	
2	2	654-PL00X-301-10D10	Heavy Duty Power Connectors	Waseh Ahmad	\$24.55	\$49.10	
3	5	654-PL28W-301-70	Heavy Duty Power Connectors	Waseh Ahmad	\$47.08	\$235.40	
4	2	654-PL28X-301-70	Heavy Duty Power Connectors	Waseh Ahmad	\$49.49	\$98.98	
5	5	879-1332	Heavy Duty Power Connectors	Waseh Ahmad	\$0.25	\$1.25	

Shipping Fees	\$7.99
Grand Total:	\$510.67

Instructor Approval: _____

Department Approval: _____
(Over \$500)

ECE Department Material Request

Course: ECE 492
Professor: Nadovich

Req Number: 10

Requested By	Nakul Talwar
Date	2/7/2018
Email	talwarn@lafayette.edu
Phone	610-716-5293

Vendor:	Amazon
Web Site	www.amazon.com
Phone	(888) 280-4331
Ship By:	Economy Ground

#	Quantity	ASIN #	Description	Requester	Unit Price	Total Price	Rcvd
1	2	B000OVP9A	Curved Tip Tweezers Cross Lock Jewelers Soldering Tool	Peter Phelan	\$5.76	\$11.52	

Shipping Fees	\$0.00
Grand Total:	\$11.52

Instructor Approval: _____

Department Approval: _____
(Over \$500)