

## Project Status Letter

**PSL number:** 05

**Covering period from:** 02/19/18 to 02/23/18

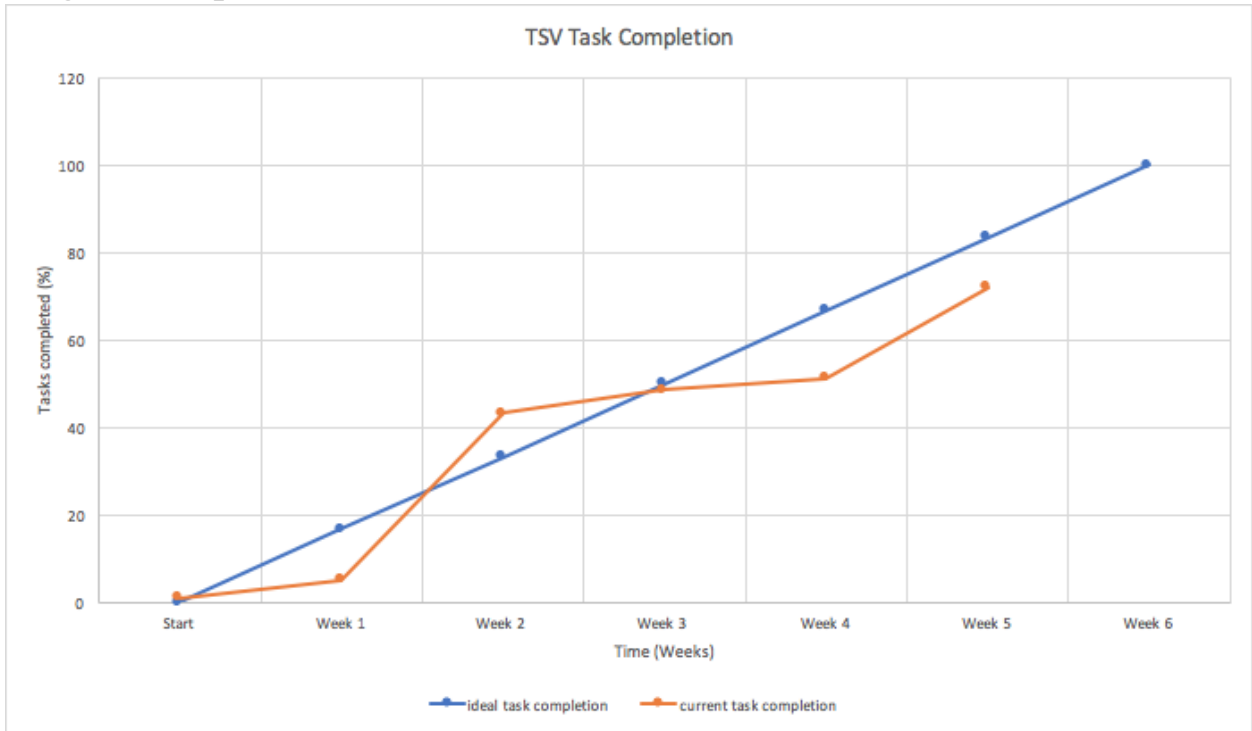
**Prepared by:** Nakul Talwar & Kevin Kong & Amrit Bhandari

### Tasks Summary from previous week:

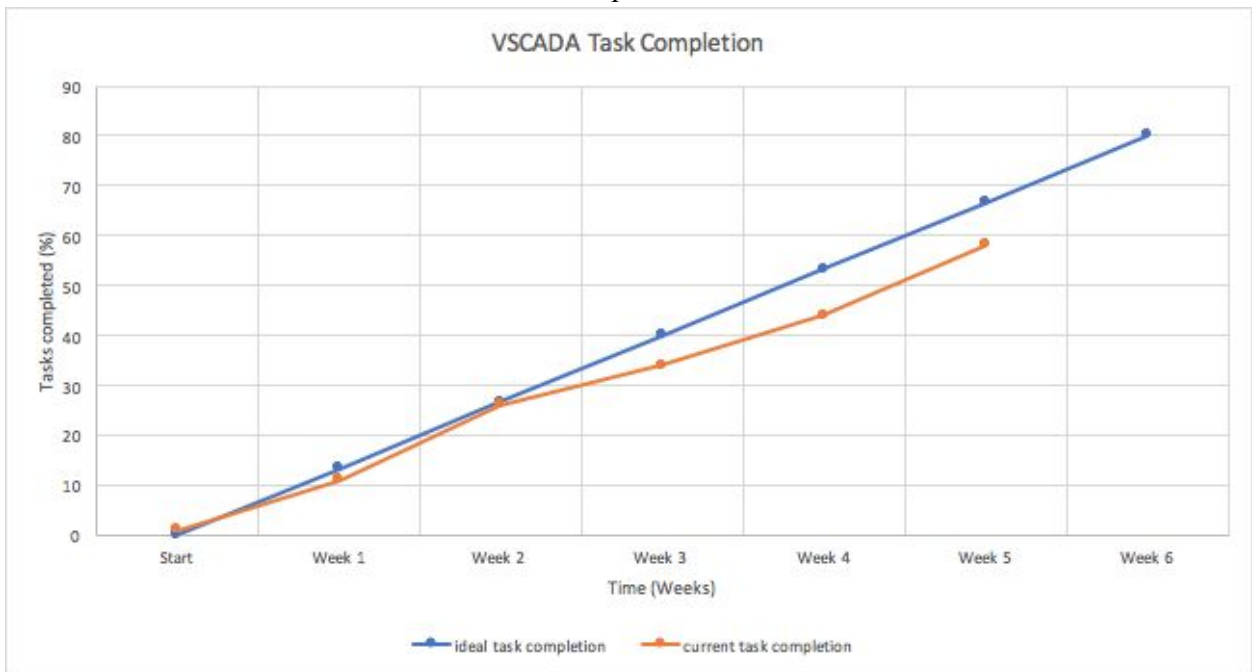
Team	Tasks completed	Tasks planned for next week	Proposed changes	Overdue WBS items
TSV	<b>Sarah:</b> TSV 1.3 - Connect Monitoring connector to one AMS board TSV 1.7 - Install I2C cables		Tasks added: TSV 2.5 - Delay switch off of safety loop TSV 2.6 - replace blade fuse TSV 3.4 - replacing dying cells TSV 3.5 - replace blade fuse	
Dyno	N.A	N.A	N.A	N.A
Cooling System	N.A	N.A	N.A	N.A
VSCADA	<b>Chen:</b> SCADA 3.6 - Setup 7" touch screen display (order longer DSI ribbon cable)  <b>Connor:</b> SCADA 2.5 - Drop out of drive mode SCADA 3.5 - Configure Buttons and LEDs on Dashboard Display SCADA  <b>Geoff:</b> SCADA 3.2 - Create a UML diagram for users	<b>Chen:</b> SCADA 3.7 - Setup display SCADA 3.1 - Wrote Python for GLV display  <b>Connor:</b> SCADA 1.8 - Export CSV to USB flash drive on Pi SCADA 4.6 - Add screw terminals to PiCAN2 board for powering Pi  <b>Geoff:</b> SCADA 3.4 - Setup USB dashboard Display	Tasks added: SCADA 1.8 - Export CSV to USB flash drive on Pi	
TSI	<b>Austin:</b> TSI 2.3 - Temperature Sensor Delivered  <b>Thomas:</b> TSI 2.4.1 - Ability to send current measurement	<b>Austin:</b> TSI 2.5 - Safety Loop and Drive States Delivered. TSI 3.3 - Calibration of Current Sensor TSI 2.4.5 - Ability to set throttle to 0 from VSCADA	Remove Tasks: TSI 2.4.4 - Ability to send brake overtravel status  Tasks added: TSI 3.7 - replace blade fuse	TSI 2.1 - Current Measuring Delivered TSI 2.2 - IMD status Delivered TSI 2.6 - Voltage measurement

	<p>TSI 2.4.3 - Ability to send IMD status</p> <p><b>Thomas &amp; Austin:</b> TSI 2.4.2 - Ability to send Temperature Measurement TSI 2.4.6 - Ability to receive data</p> <p><b>Peter:</b> TSI 1.1 - Update Circuit Schematic Delivered TSI 1.2 - PCB Schematic Delivered/Ordered</p>	<p><b>Thomas:</b> TSI 2.1 - Current Measuring Delivered TSI 2.2 - IMD status Delivered TSI 2.6 - Voltage measurement</p>		
Interconnect	<p><b>Amrit:</b> IC 1.3.4 - Order more orange cables</p> <p><b>Matt:</b> IC 1.2.3 - Order replacement cables</p> <p><b>Shu:</b> IC 1.4.2 - Identify cables that needs strain relief</p>	<p><b>Matt:</b> IC 1.2.4 - Remove old cable and install new cable</p> <p><b>Shu:</b> IC 1.4.3 - Order necessary components and add them to cables</p>		IC 1.3.3 - Install Amphenol connectors and shielded cables
GLV	N.A	N.A	N.A	GLV 2 - Function GLV in new case
Management	<p><b>Kevin &amp; Nakul &amp; Amrit</b> MGMT 1.4 - Weekly Status Report - Week 4</p> <p><b>Waseh:</b> MGMT 8.8 - ESF - 2 Delivered</p>	<p><b>Kevin &amp; Nakul &amp; Amrit</b> MGMT 1.4 - Weekly Status Report - Week 5</p> <p><b>Nakul:</b> MGMT 6.1 - Rules Checklist</p>	N.A	N.A

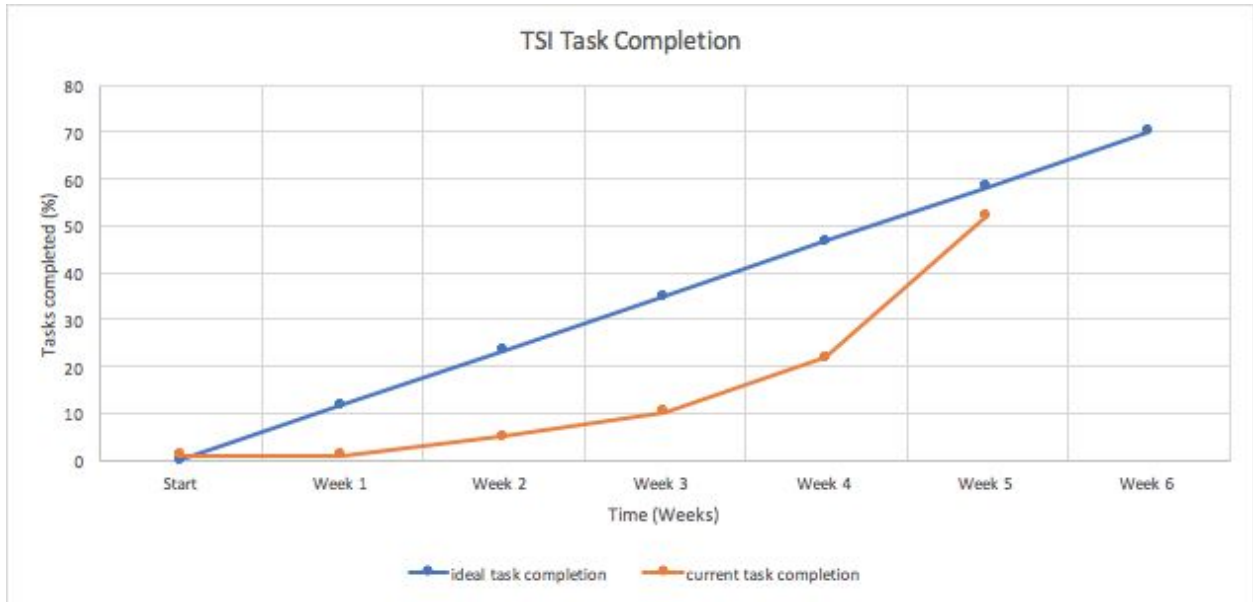
## Progress Graph:



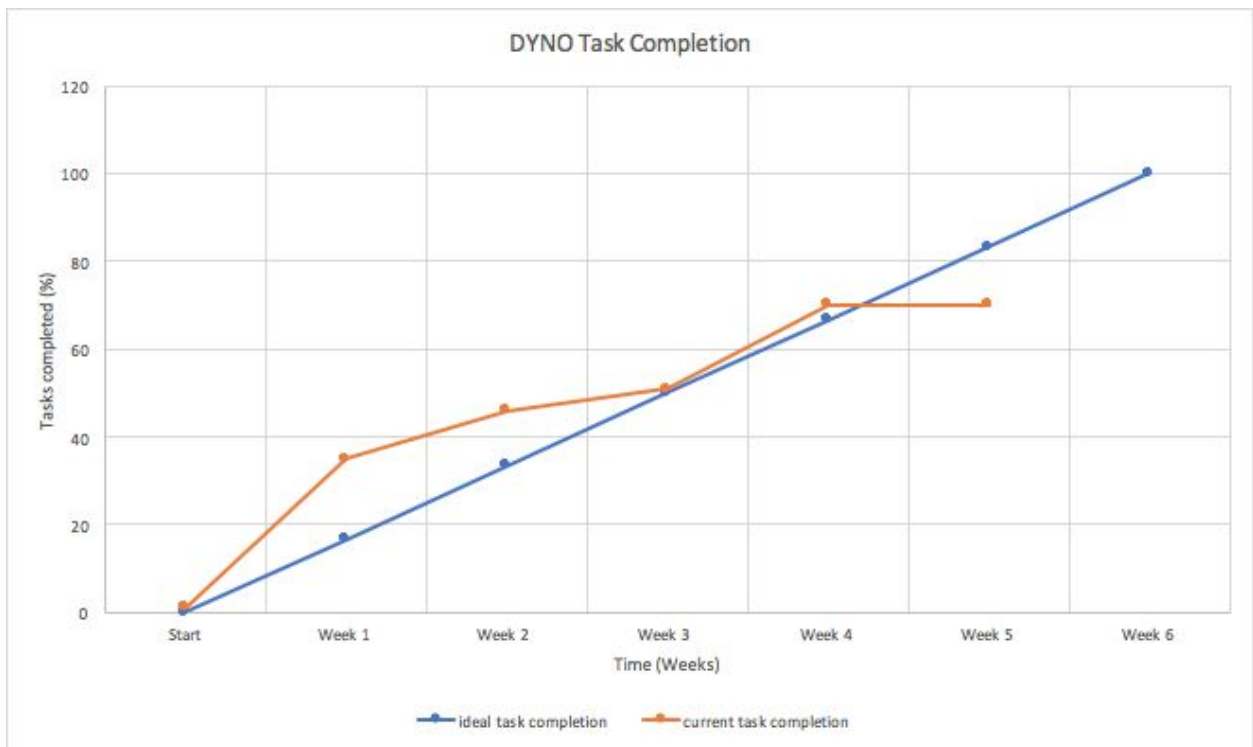
TSV Completed: 72%



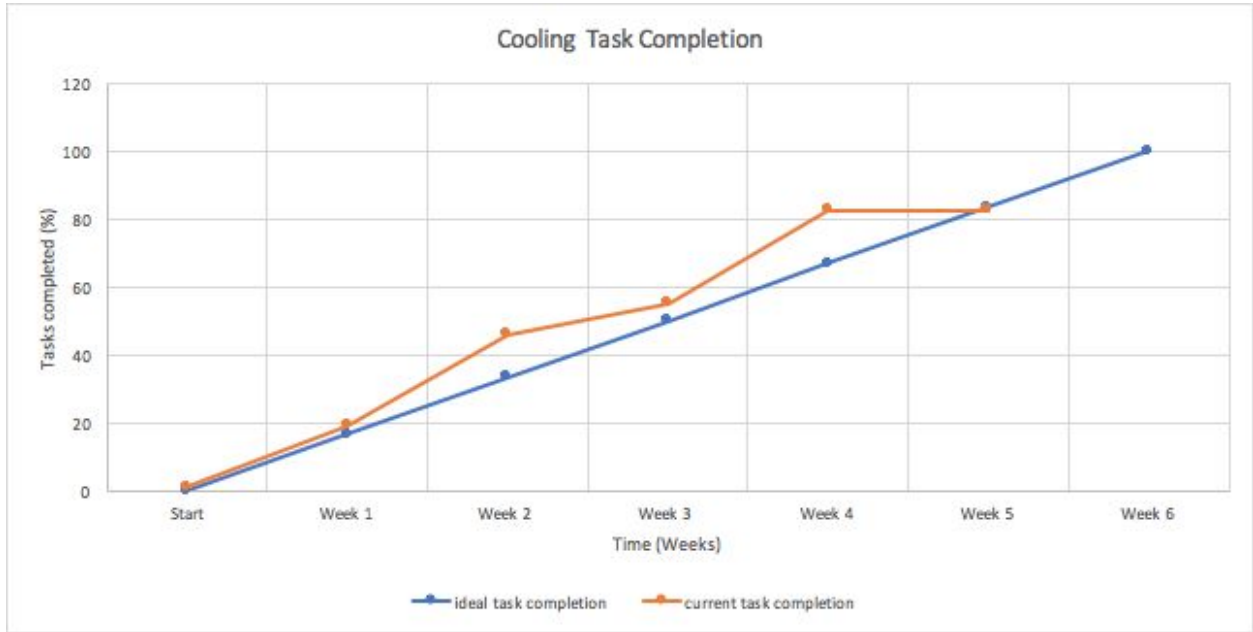
VSCADA Completed: 58%



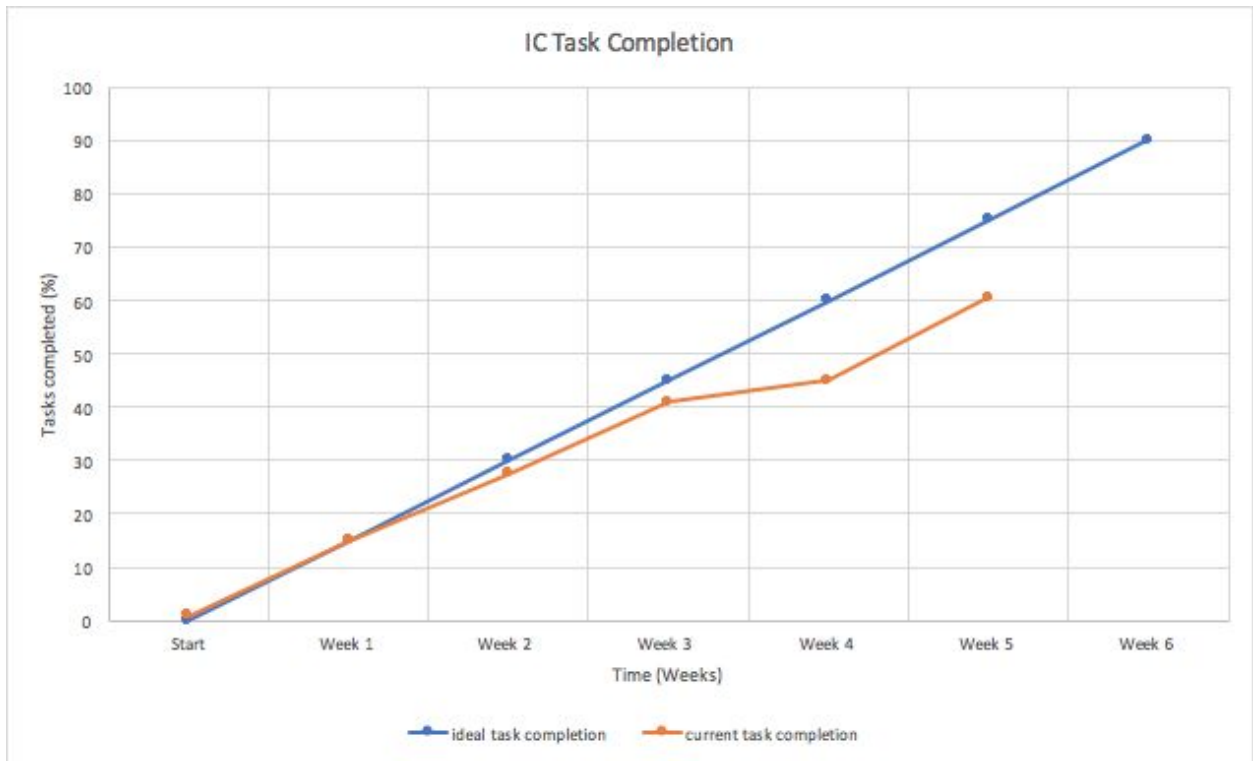
TSI Completed: 52%



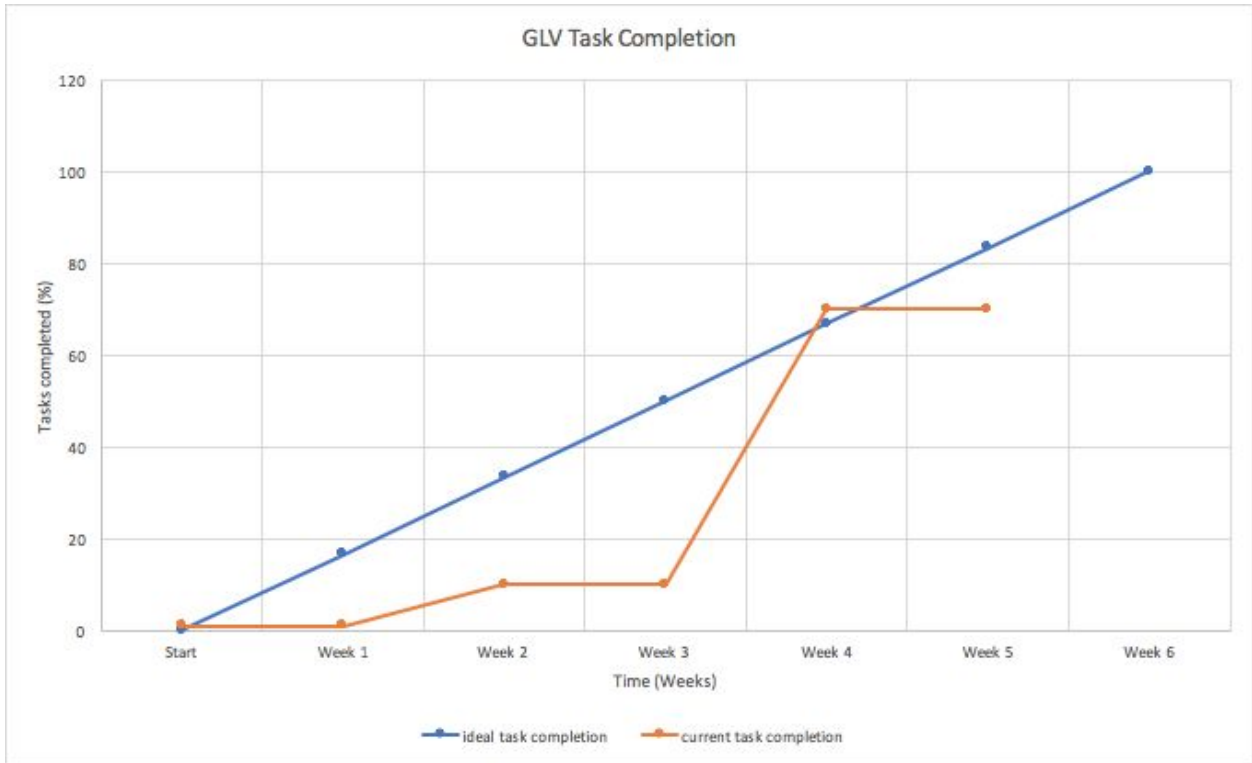
Dyno completed: 70%



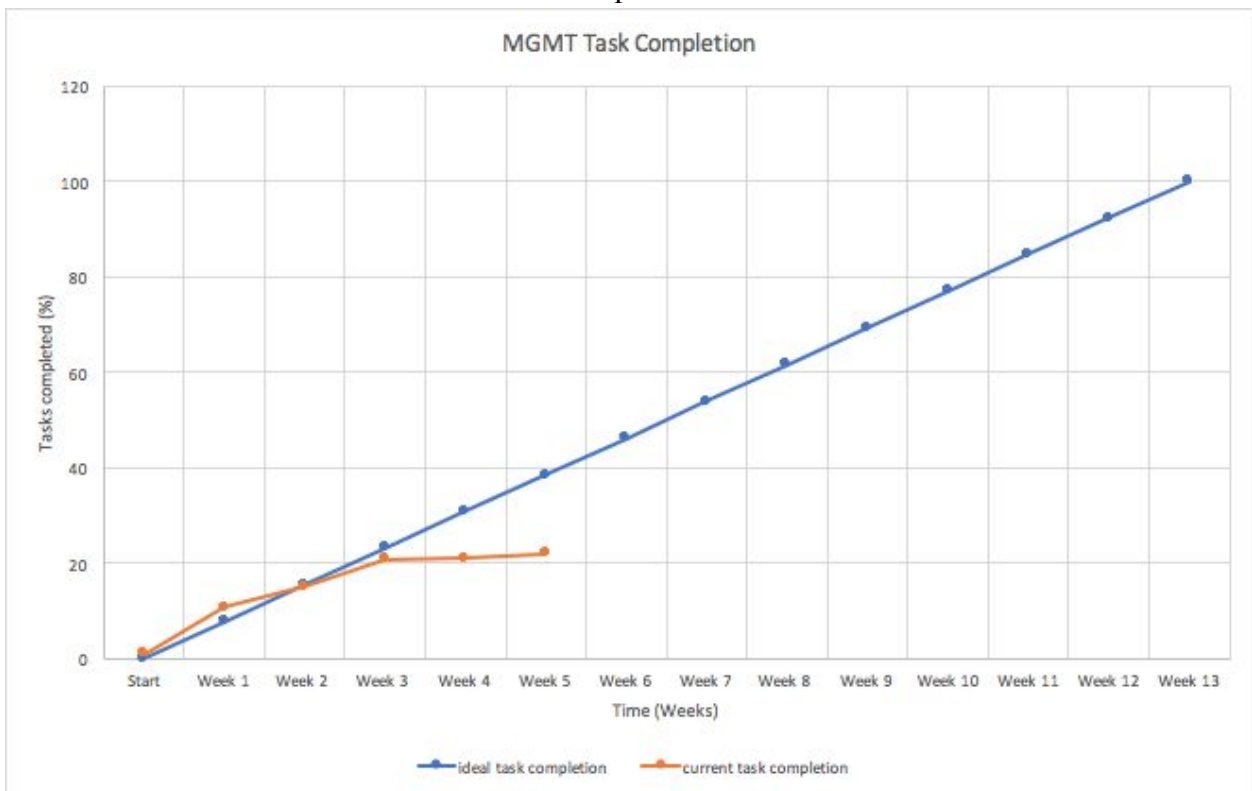
Cooling completed: 82.5%



IC Completed: 60.56%



GLV Completed: 70%

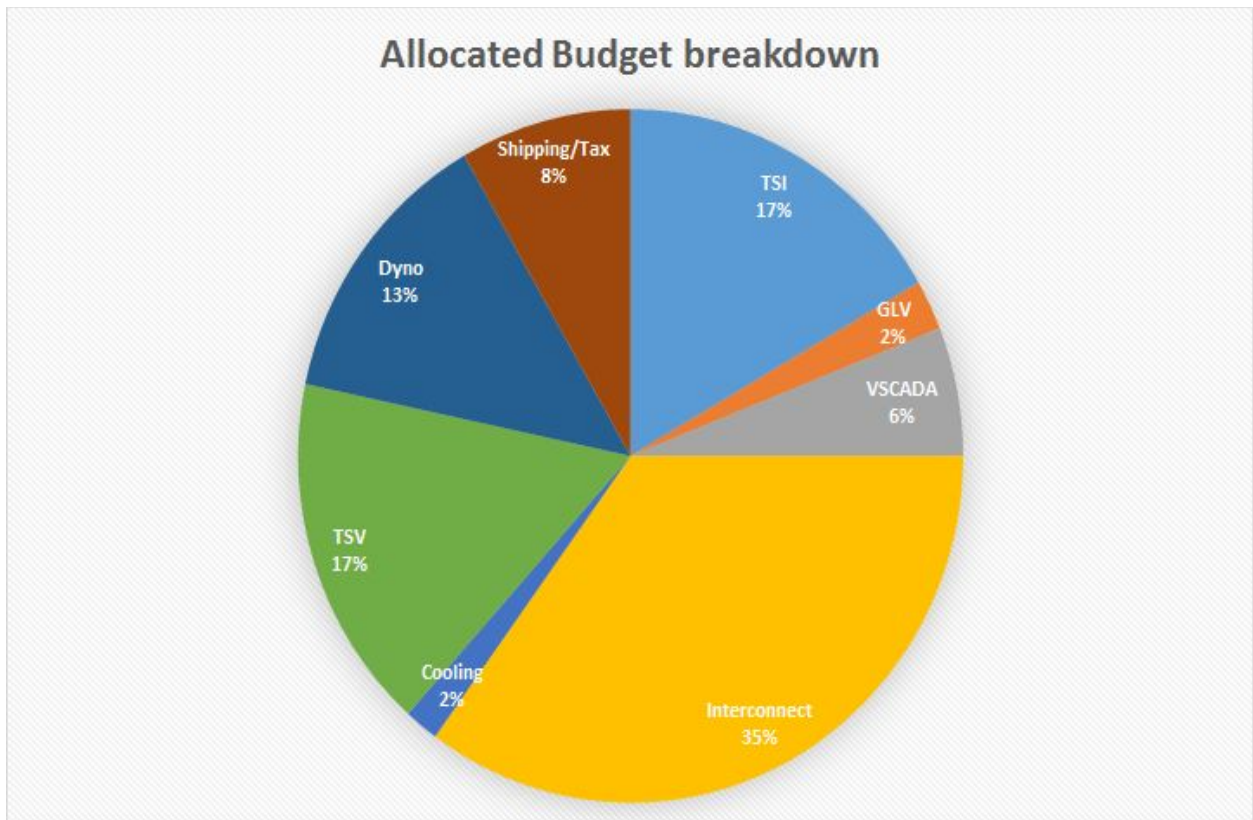


MGMT Completed: 22%

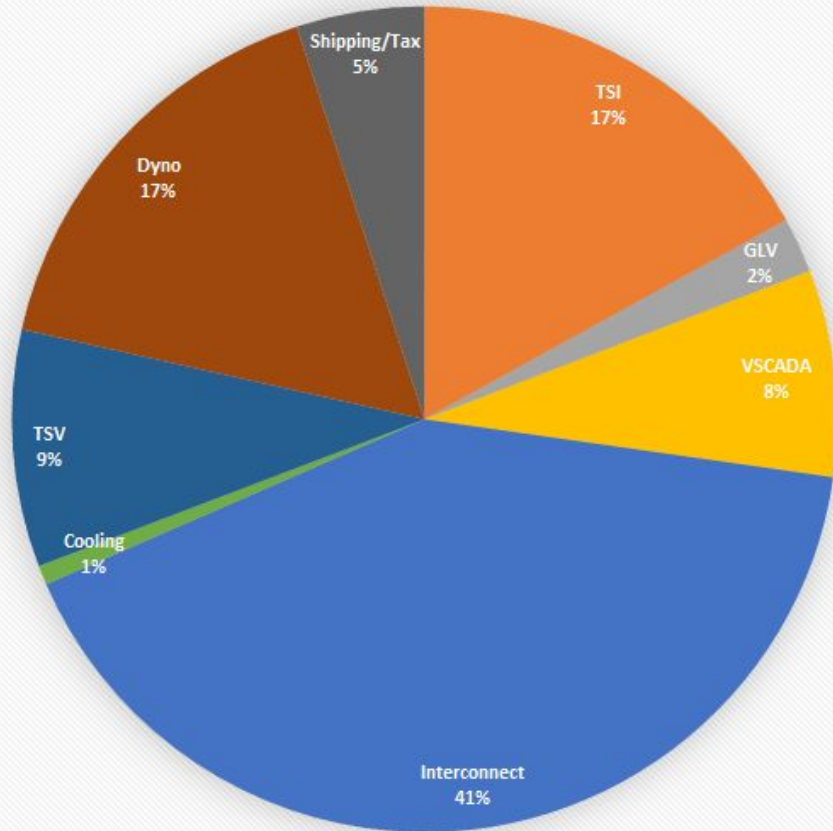
## Purchasing Summary From Previous Week:

Subsystem	Spent this period	Spent to date	Budget Allocated	Budget Remaining	Percentage Spent
TSI	\$0.00	\$362.67	\$500.00	\$137.33	72.53%
GLV	\$15.27	\$46.22	\$70.00	\$23.78	66.03%
VSCADA	\$0.00	\$172.59	\$180.00	\$7.41	95.88%
Interconnect	\$373.05	\$879.72	\$1,050.00	\$170.28	83.78%
Cooling	\$0.00	\$15.99	\$50.00	\$34.01	31.98%
TSV	\$0.00	\$198.09	\$500.00	\$301.91	39.62%
Dyno	\$299.24	\$352.04	\$400.00	\$47.96	88.01%
Shipping/Tax	\$57.13	\$106.96	\$250.00	\$143.04	42.78%
<b>Total</b>	<b>\$744.69</b>	<b>\$2,134.28</b>	<b>\$3,000.00</b>	<b>\$865.72</b>	<b>71.14%</b>

**\*Note: Budget Allocation adjustment was made this week. The Budget Allocation was changed this week compared to last week as some subsystems had high budgets but we didn't have any potential purchases to make.**



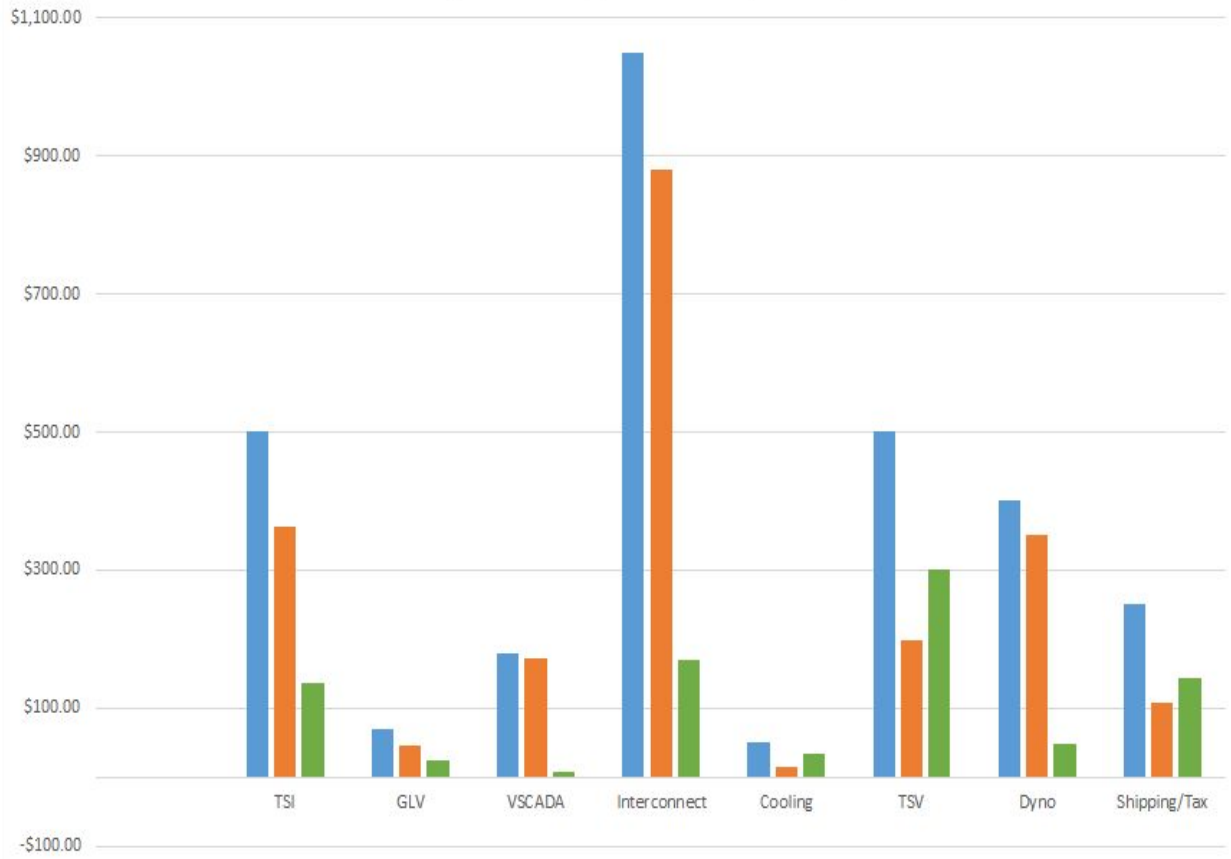
## Overall Spending Breakdown

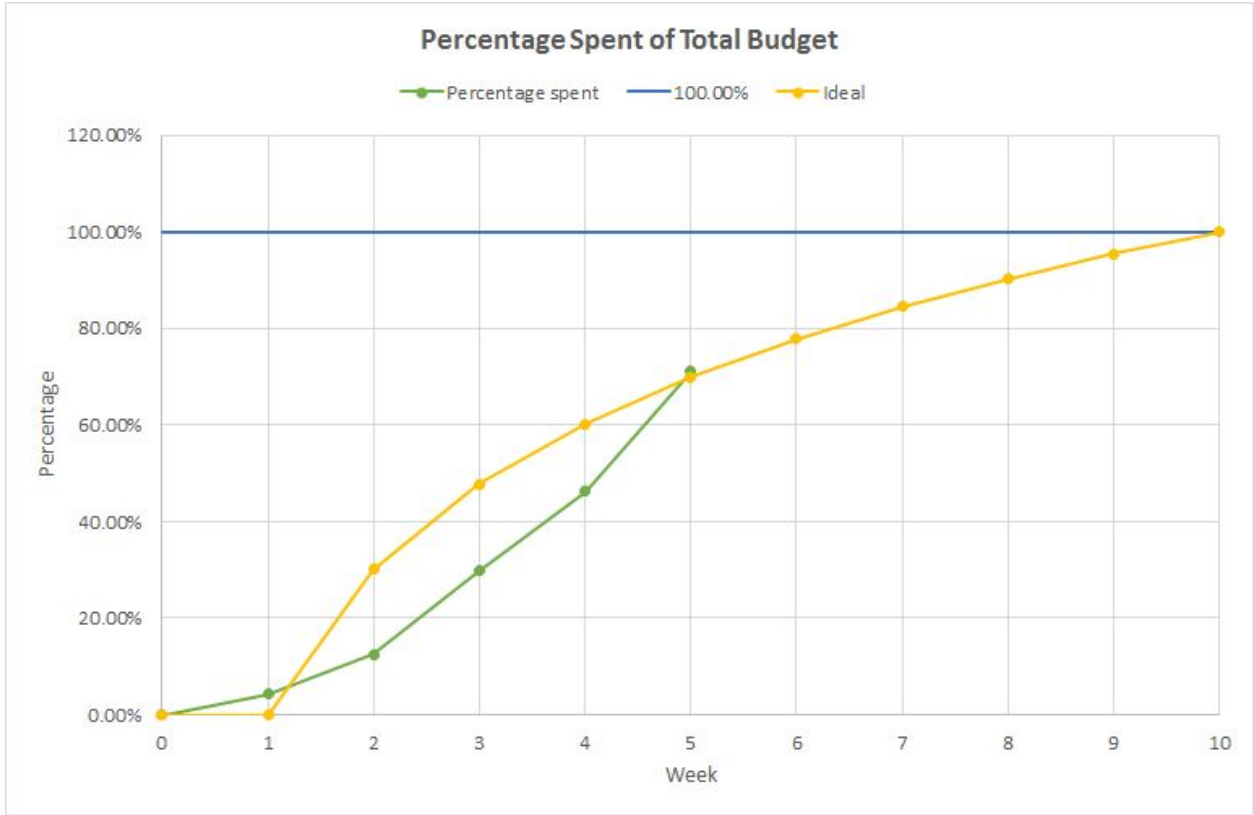




### Budget Spending Per Subsystem

■ Budget Allocated ■ Spent to date ■ Budget Remaining





# Appendix:

## ECE Department Material Request

Course: ECE 492  
Professor: Nadovich

Req Number:16

Requested By: Amrit  
Date: 21-Feb-18  
Email: [bhandara@lafayette.edu](mailto:bhandara@lafayette.edu)  
Phone Number: 610-905-8421

Vendor: Mouser  
Web Site: [www.mouser.com](http://www.mouser.com)  
Phone: (888) 346-6873  
Ship By: Economy Ground

#	Quantity	Description	Mouser #	Unit Price	Requester	Total Price	Rcvd
1	1	USB Connectors USB Female Adaptor	706-17-200001	\$9.43	Kevin	\$9.43	
2	2	Circuit Breakers 10A PUSH TO RESET	655-W28-XQ1A-10	\$2.92	Kevin	\$5.84	

Subtotal:	\$15.27
Shipping Fees:	\$4.99
Grand Total:	\$20.26

Instructor Approval:

Department Approval:  
(Over \$500)

## ECE Department Material Request

Course: ECE 492  
Professor: Nadovich

Req Number:17

Requested By: Amrit  
Date: 21-Feb-18  
Email: [bhandara@lafayette.edu](mailto:bhandara@lafayette.edu)  
Phone Number: 610-905-8421

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

#	Quantity	Description	Unit Price	Requester	Total Price	Rcvd
2	1	RackSolutions 7U Flush Rack Mount Monitor	\$299.99	Chen Xin	\$299.99	

Subtotal:	\$299.99
Shipping Fees:	\$21.14
Grand Total:	\$321.13

Instructor Approval:

Department Approval:  
(Over \$500)

Rack Solution: ASIN: B00UVKB4B8

## ECE Department Material Request

**Course:** ECE 492  
**Professor:** Nadovich

**Req Number:**18

**Requester** Amrit  
**Date** 21-Feb-18  
**Email** [bhandara@lafayette.edu](mailto:bhandara@lafayette.edu)  
**Number** 610-905-8421

**Vendor:** IEWC  
**Web Site** [www.iewc.com](http://www.iewc.com)  
**Phone** 877-613-4392  
**Ship By:** Economy Ground

#	Quantity	Description	Unit Price	IEWC PN	Total Price	Rcvd
1	30 feet	Electric & Hybrid Vehicle Battery Cable, 3/0 AWG, 600V, EXRAD FX Insulated, Orange	\$7.99	EXRAD3/0-FXOBS-50L	239.7	
2	15 feet	Electric & Hybrid Vehicle Battery Cable, 2/0 AWG, 600V, EXRAD XLE Insulated, Orange	\$7.99	EXRAD2/0-XLEOBS	\$119.85	

<b>Subtotal:</b>	<b>\$359.55</b>
<b>Shipping Fees:</b>	<b>\$15.00</b>
<b>Grand Total:</b>	<b>\$374.55</b>

Instructor Approval:

Department Approval:  
(Over \$500)

## ECE Department Material Request

**Course:** ECE 492  
**Professor:** Nadovich

**Req Number:**19

**Requested By** Amrit  
**Date** 23-Feb-18  
**Email** [bhandara@lafayette.edu](mailto:bhandara@lafayette.edu)  
**Phone Number** 610-905-8421

**Vendor:** Wire and Cable Your Way  
**Web Site** [www.wireandcableyourway.com](http://www.wireandcableyourway.com)  
**Phone** 855-880-8010  
**Ship By:** Economy Ground

#	Quantity	Description	SKU #	Unit Price	Requester	Total Price	Rcvd
1	50	16/2 SOOW Portable Cord 600V UL/CSA	S0016s2	\$0.270	Matt/Kevin	\$13.50	

<b>Subtotal:</b>	<b>\$13.50</b>
<b>Shipping Fees:</b>	<b>\$16.00</b>
<b>Grand Total:</b>	<b>\$29.50</b>

Instructor Approval:

Department Approval:  
(Over \$500)