

Project Status Letter

PSL number: 06

Covering period from: 02/26/18 to 03/02/18

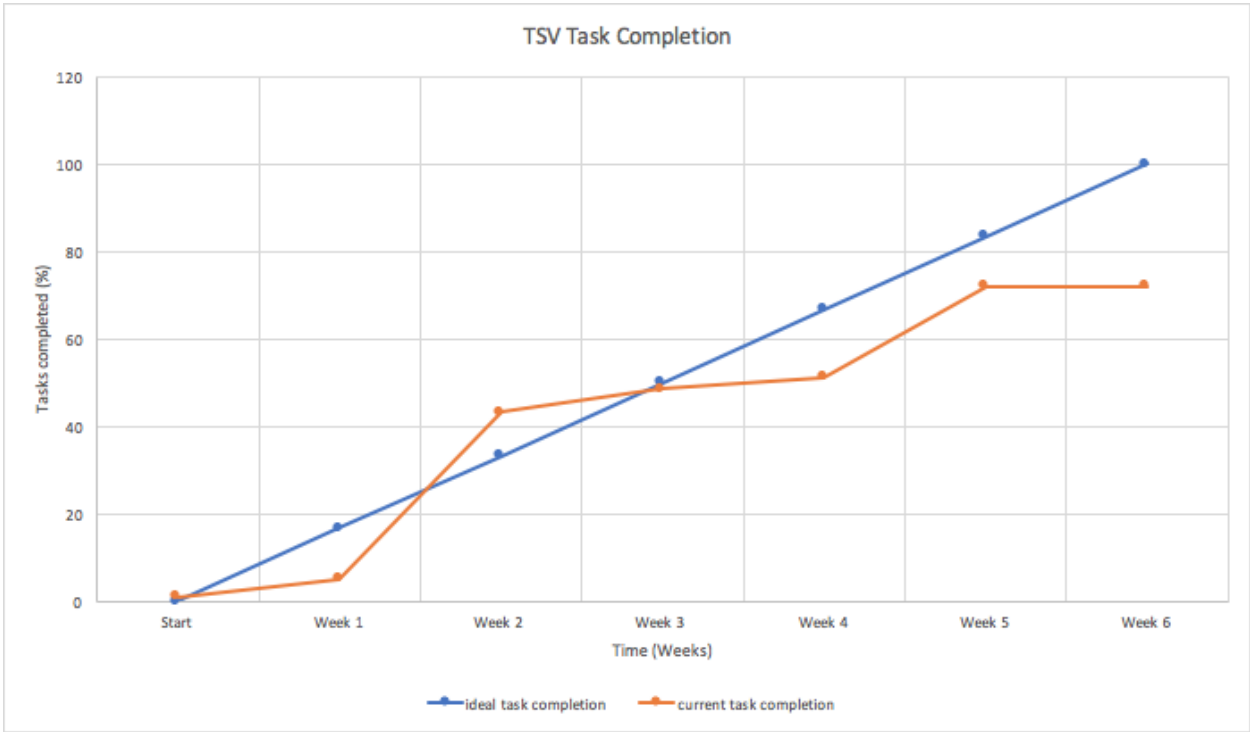
Prepared by: Nakul Talwar & Kevin Kong & Amrit Bhandari

Tasks Summary from previous week:

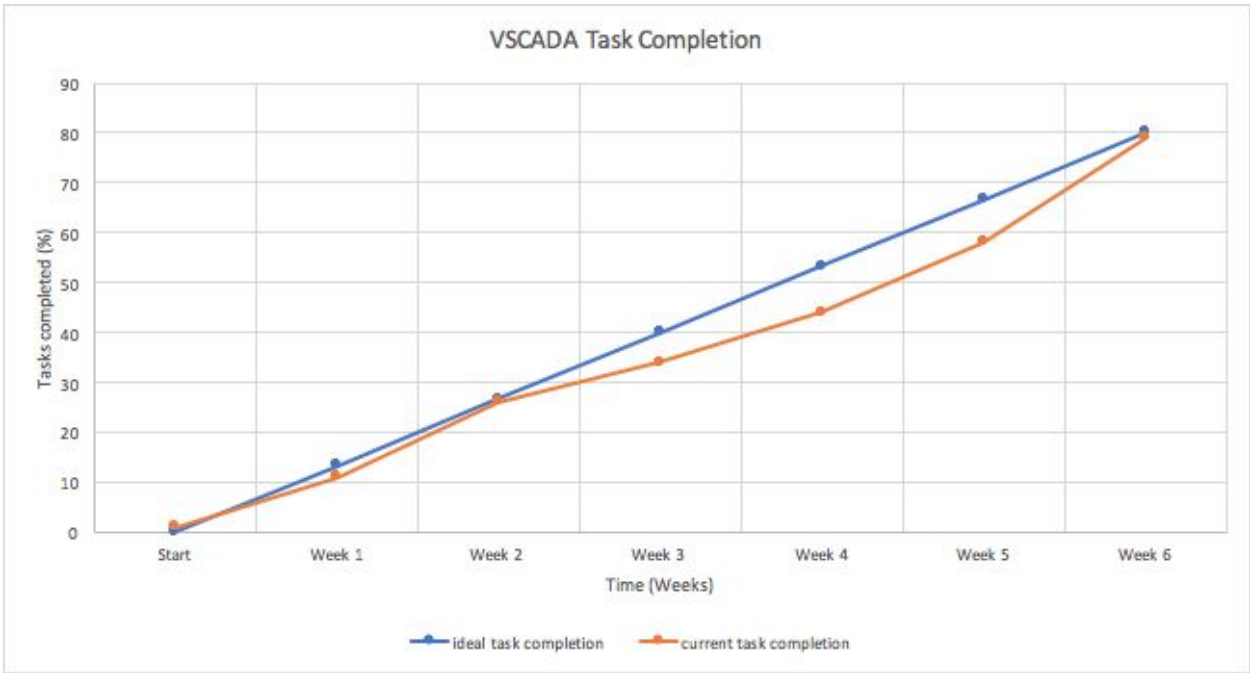
Team	Tasks completed	Tasks planned for next week	Proposed changes	Overdue WBS items
TSV		Waseh: TSV 2.5 - Delay Switch off of safety loop TSV 2.6 - Replace blade fuses TSV 3.5 - Add new LCO/ Charge Cables		TSV 3.3.4 - Grounding Pigtail Connectors
Dyno	Dyno Done	Dyno Done	Dyno Done	Dyno Done
Cooling System	Russell: Cooling 2.3 - Integrate the system with the connector plate	Cooling System Done		
VSCADA	Chen: SCADA 3.6 - Setup 7'' display VSCADA 3.7 - Python display on GLV Connor: SCADA 1.8 - Export CSV to flash drive SCADA 4.2 - Test receive data from TSV SCADA 4.3 - Test receive data from TSI Geoff: SCADA 4.1 - PI stays in high power mode SCADA 4.4 - SSH in to PI SCADA 4.6 - Screw terminals on PI	Chen: SCADA 3.1 - Display important Data values Connor: SCADA 2.6 - Ignore spikes in CAN data that could drop out drive mode Geoff: SCADA 3.4 - Setup USB display SCADA 4.5 - Mount PI into GLV		SCADA 3.4 - Setup USB display
TSI	Austin: TSI 2.4.4 - Ability to set throttle to 0 from VSCADA Thomas: TSI 2.2 - IMD Status Delivered TSI 2.6 - Voltage Measurement	Austin: TSI 2.5 - Drive States Delivered Peter: TSI 1.4 - Build New Board		TSI 2.1 - Current Measuring Delivered

		Thomas: TSI 2.1 - Current Measuring Delivered Testing TSI 2.2 - IMD Status Delivered		
Interconnect	Matt & Nakul & Amrit IC 1.2.4 Remove old cables and install new cables Matt: IC 1.2.7 Tools listed / ordered	Matt: IC 1.4.1 - Research Stain Relief solution	Fix W-21	IC 1.3.3 - Install Amphenol Connectors and Shielded Cable
GLV	Kevin & Russell GLV 2 - Function GLV in new Enclosure	Kevin & Russell: GLV 3.1 - Wire Organization Kevin: GLV 3.2 - Remake wire for cockpit indication light and buttons	GLV 3 - Reorganize GLV GLV 3.1 - Wire Organization GLV 3.2 - Remake wire for cockpit indication light and buttons	
Management	Kevin & Nakul & Amrit MGMT 1.5 Project Status Letter - Week 5	Kevin & Nakul & Amrit MGMT 1.6 Project Status Letter - Week 6 Nakul: MGMT 6.1 - Rule Checklist		MGMT 6.1 - Rule Checklist

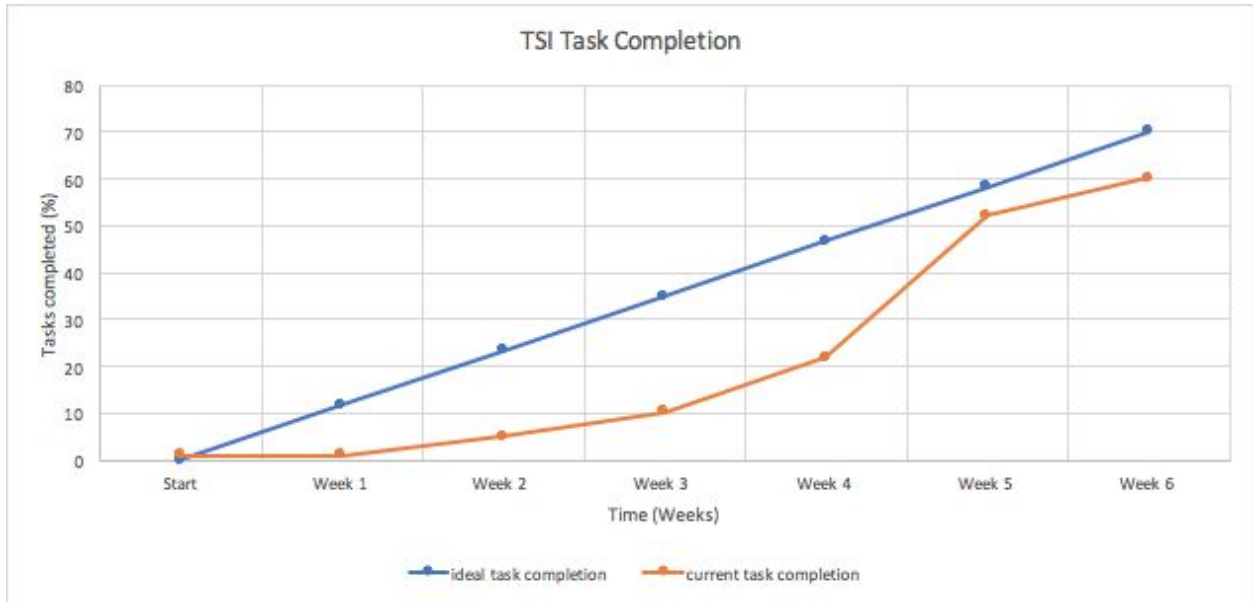
Progress Graph:



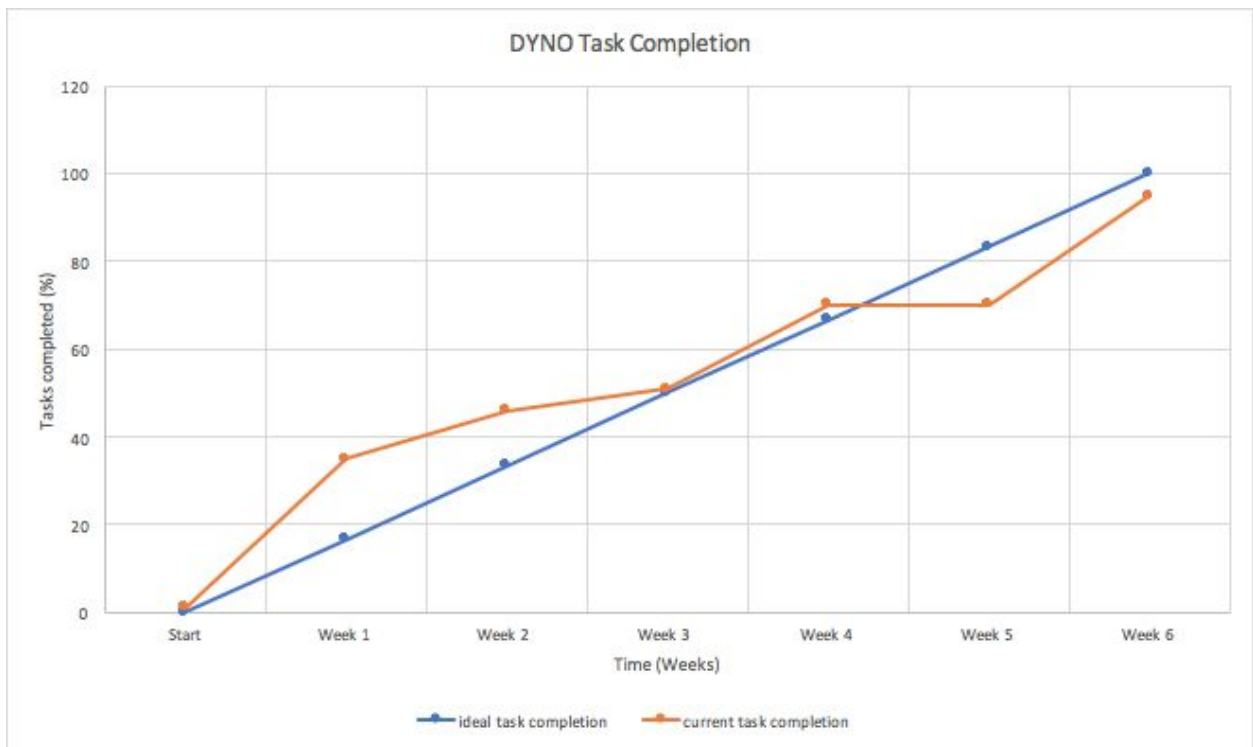
TSV Completed: 72%



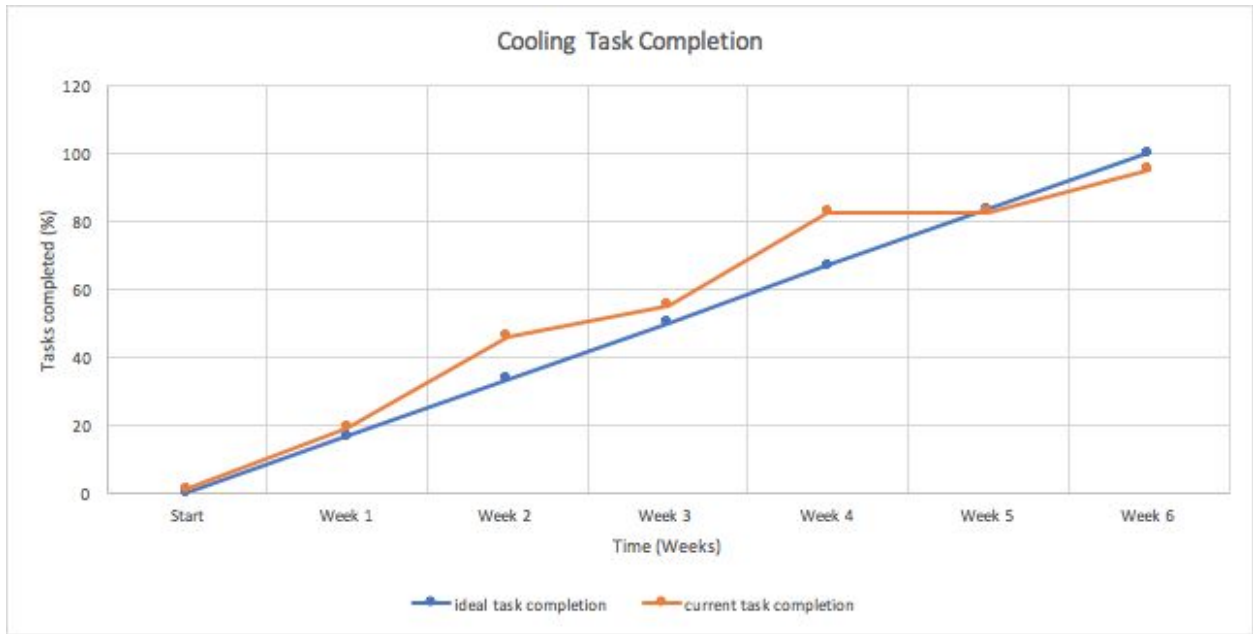
VSCADA Completed: 58%



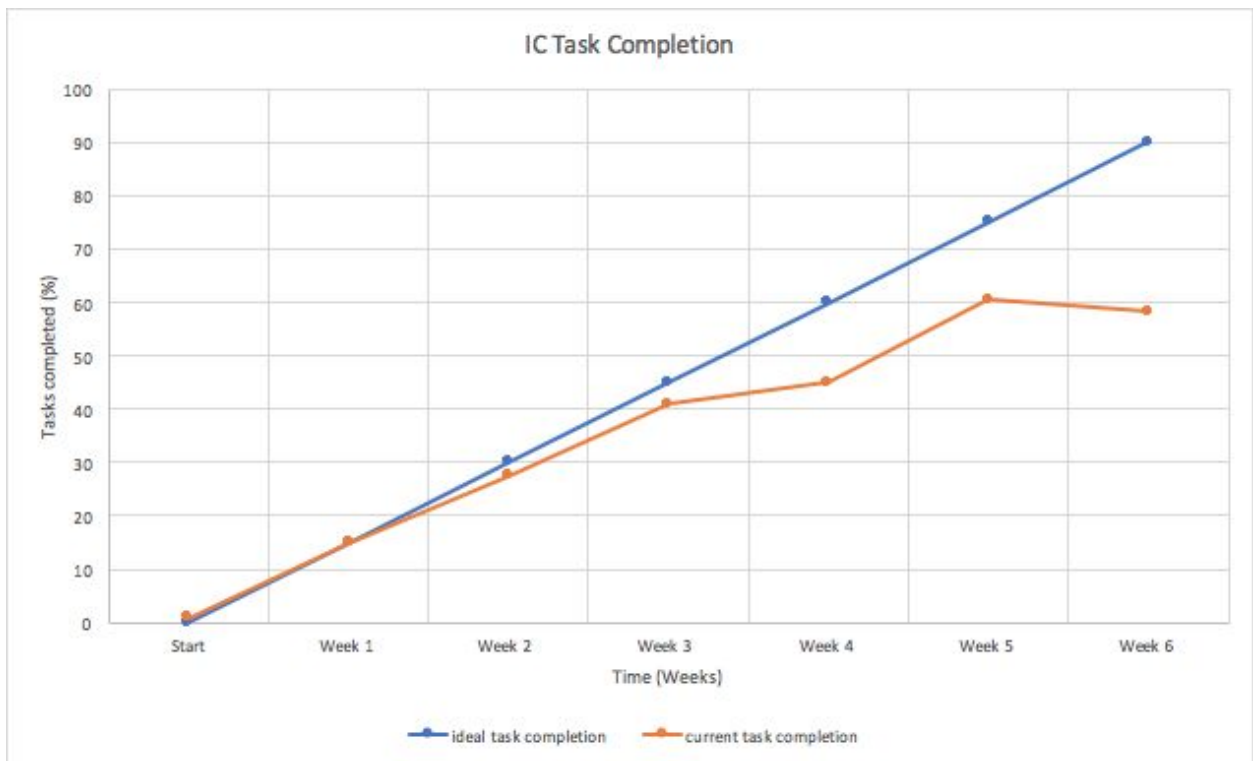
TSI Completed: 60.25%



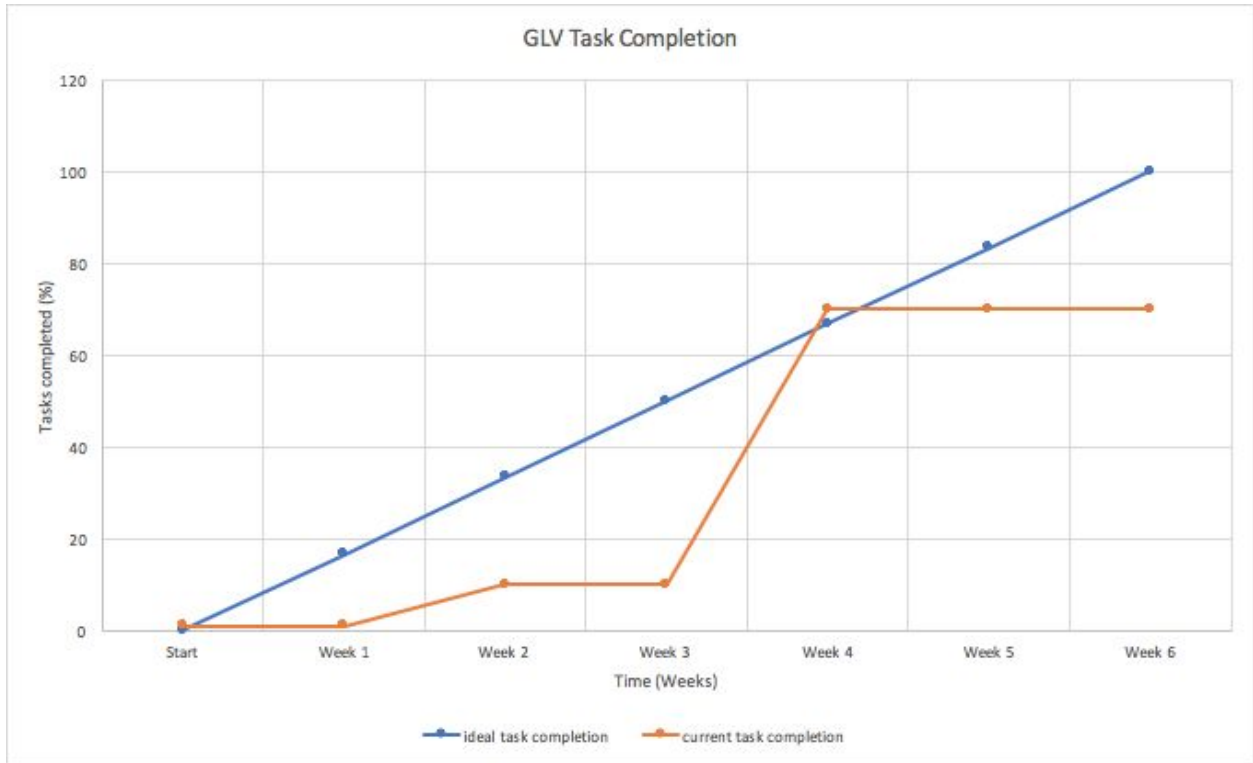
Dyno completed: 95% (Completed)



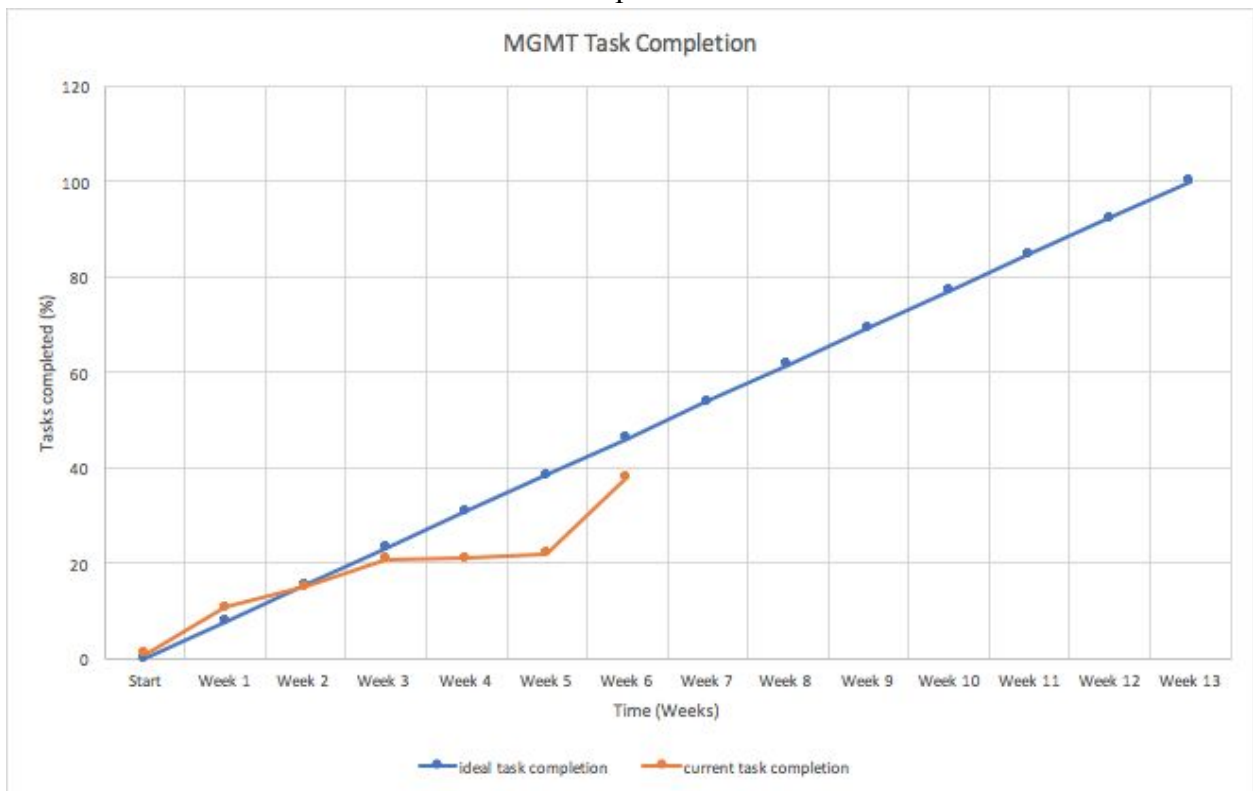
Cooling completed: 95% (Completed)



IC Completed: 58.18%



GLV Completed: 70%



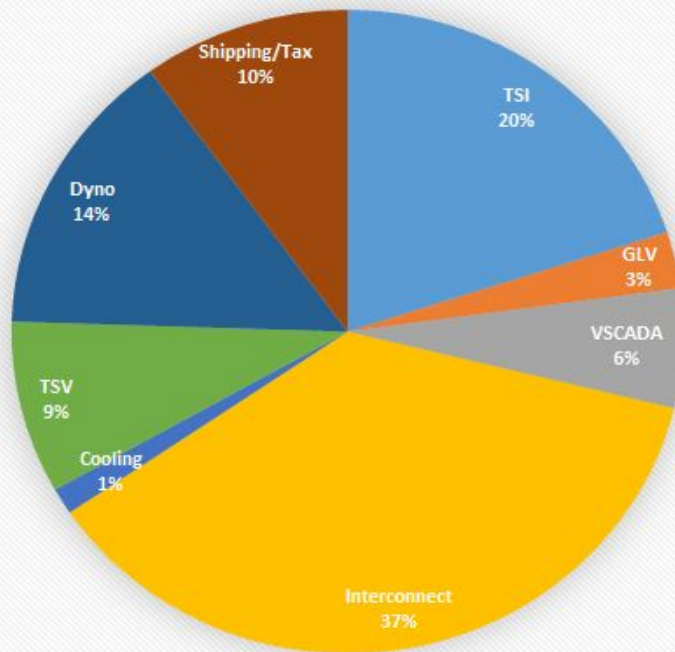
MGMT Completed: 37.9%

Purchasing Summary From Previous Week:

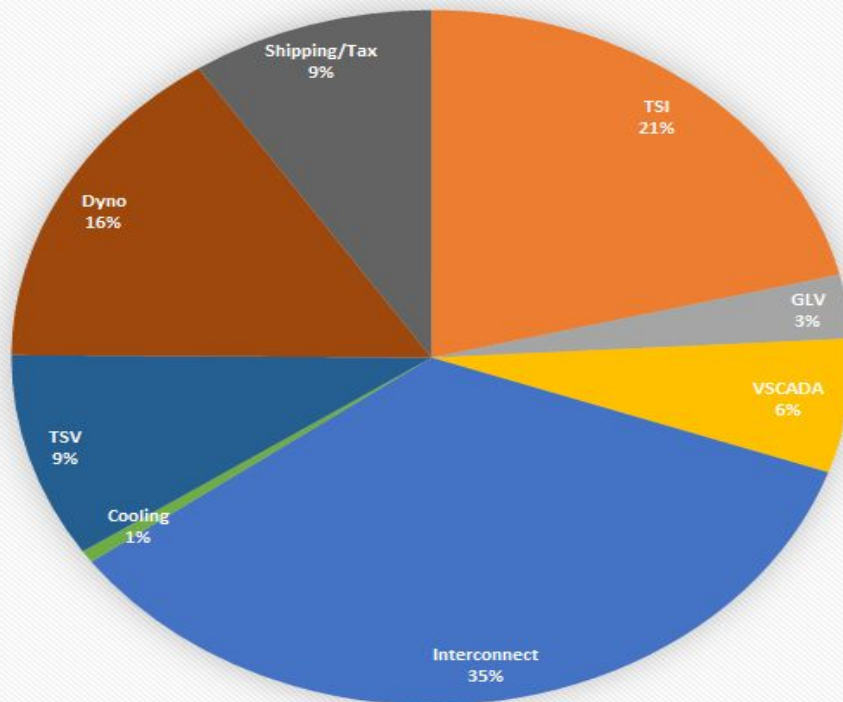
Subsystem	Spent this period	Spent to date	Budget Allocated	Budget Remaining	Percentage Spent
TSI	\$223.37	\$586.04	\$600.00	\$13.96	97.67%
GLV	\$36	\$82.22	\$85.00	\$2.78	96.73%
VSCADA	\$0	\$172.59	\$180.00	\$7.41	95.88%
Interconnect	\$49.99	\$960.01	\$1,100.00	\$139.99	87.27%
Cooling	\$0	\$15.99	\$40.00	\$24.01	39.98%
TSV	\$65.81	\$263.90	\$260.00	\$3.90	101.50%
Dyno	\$78.53	\$430.57	\$435.00	\$4.43	98.98%
Shipping/Tax	\$151.86	\$258.82	\$300.00	\$41.18	86.27%
Total	605.56	\$2,770.14	\$3,000.00	\$229.86	92.34%

***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.

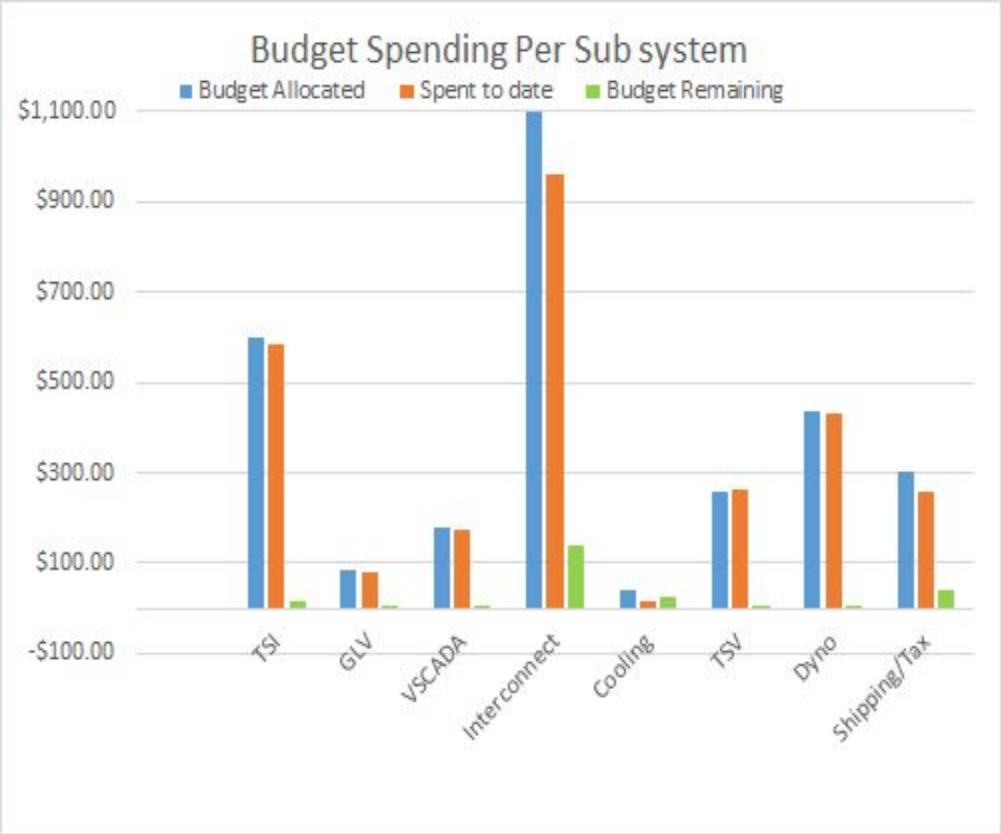
Allocated Budget breakdown

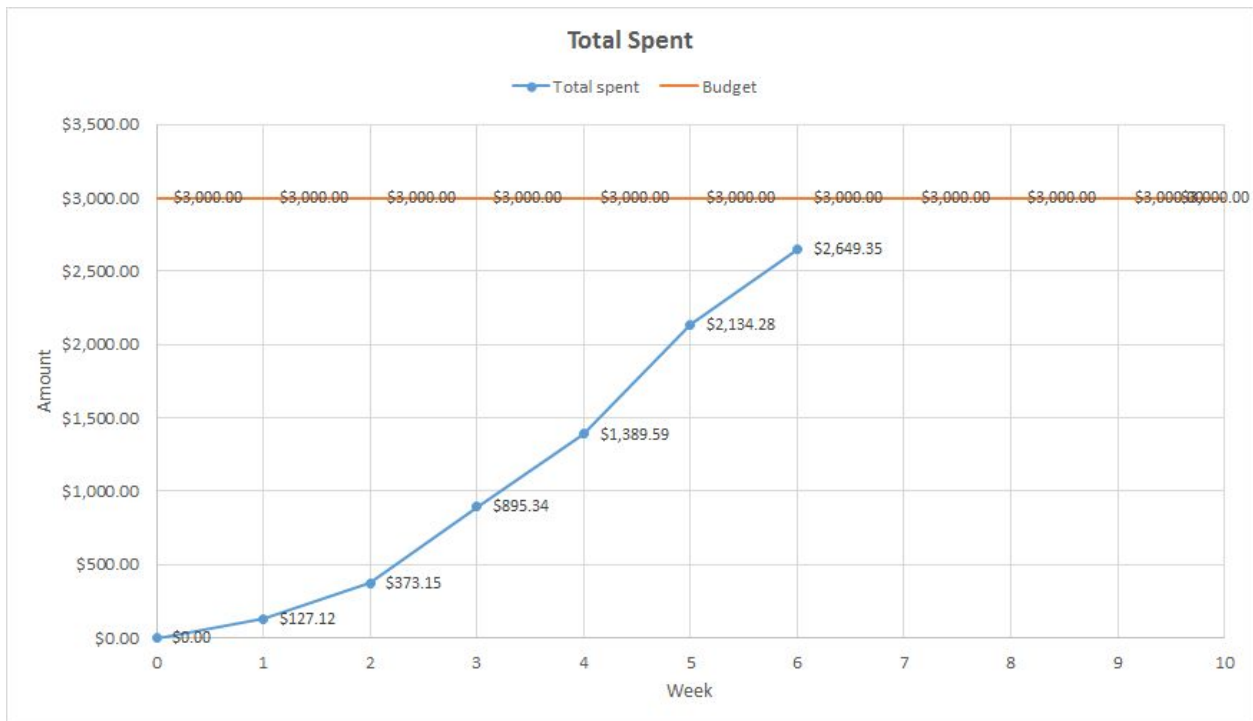
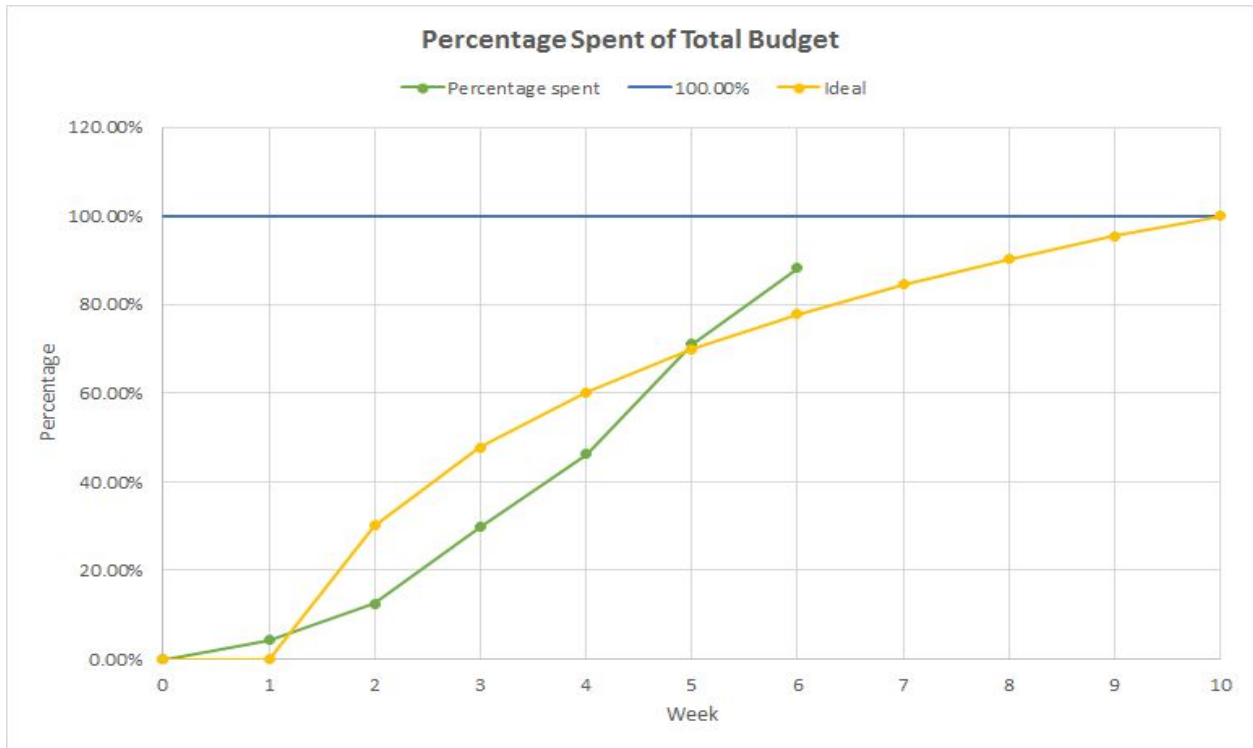


Overall Spending Breakdown



Note: The graph above shows how much of the total money spent till now has been spent in each subsystem.





Appendix:

Purchase Order #20

Order #	Part #	Revision #	X Dim	Y Dim	Soldermask	Silkscreen	Layers	Quantity	Unit Price
10072200	TSI	2018	7 (in)	5.6 (in)	Both Sides	Both Sides	2	2	\$33.00

ZIP File Name: CAM.zip Ship Method: FedEx Standard ITAR: No	Order Subtotal: \$66.00 Shipping & Handling: \$96.89 Total: \$162.89
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Shipping & Billing Information

Shipping Information Company Name: Lafayette College Contact Name: Chris Nadovich Address: Chris Nadovich 740 High Street, 406 AEC Engineering City/State: Easton, PA Zip/Country: 18042 US Phone Number: 610 330 5324 Shipping Account #:	Billing Information Credit Card #: XXXXXXXX6046 Exp (mmyy): XXXX Name on Card: Nicolette J Stavrovsky Address: 630 Parson St City/State: Easton, PA Zip/Country: 18042 US Invoice Method:
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ECE Department Material Request

Course: ECE 492 Professor: Nadovich
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Req Number: 21

Requested By: Amrit Date: 26-Feb-18 Email: bhandara@lafayette.edu Phone Number: 610-905-8421

Vendor: Mouser Web Site: www.mouser.com Phone: (888) 346-6873 Ship By: Economy Ground
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#	Quantity	Description	Mouser #	Unit Price	Requester	Total Price	Rcvd
1	5	Automotive Connectors DT RECPT 6way	571-DT04-6P-CL06	\$7.20	Russell	\$36.00	

Instructor Approval:

Subtotal:	\$36.00
Shipping Fees:	\$4.99
Grand Total:	\$40.99

ECE Department Material Request

Course: ECE 492
Professor: Nadovich

Req Number: 22

Requested By	Amrit
Date	26-Feb-18
Email	bhandara@lafayette.edu
Phone Number	610-905-8421

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

#	Quantity	Description	Unit Price	Requester	Total Price	Rcvd
1	1	1U Rack Mount Sliding Keyboard Tray	\$58.99	Chen Xin	\$58.99	
2	1	SIIF USB Mini Multimedia Keyboard - Ultra-slim	\$19.54	Chen Xin	\$19.54	

Subtotal:	\$78.53
Shipping Fees:	\$0.00
Grand Total:	\$78.53

Instructor Approval:

ECE Department Material Request

Course: ECE 492	
Requested By	Amrit
Date	27-Feb-18
Email	bhandara@lafayette.edu
Phone Number	610-905-8421

Req Number:23	
Vendor:	Digi-Key
Web Site	www.digikey.com
Phone	1-800-344-4539
Ship By:	Economy Ground

#	Quantity	Description	Digikey Part #	Unit Price	Requester	Total Price	Rcvd
1	3	CONN HEADER 12POS 4.2MM VERT TIN	WM3805-ND	\$1.620	Peter	\$4.86	
2	3	CONN HEADER 10POS 4.2MM VERT TIN	WM3804-ND	\$1.540	Peter	\$4.62	
3	3	CONN HEADER 8POS 4.2MM VERT TIN	WM3803-ND	\$1.30	Peter	\$3.90	
4	3	CONN HEADER 3MM 8POS R/A GOLD	A34864-ND	\$1.69	Peter	\$5.07	
5	6	CONN HEADER 6POS 4.2MM VERT TIN	WM3802-ND	\$1.01	Peter	\$6.06	
6	3	CONN HEADER 4POS 4.2MM VERT TIN	WM3801-ND	\$0.77	Peter	\$2.31	
7	6	CONN HEADER 2POS 4.2MM VERT TIN	WM3800-ND	\$0.62	Peter	\$3.72	
8	3	CONN RECEPT 12POS DUAL	WM3705-ND	\$0.610	Peter	\$1.83	
9	3	CONN RECEPT 10POS DUAL	WM3704-ND	\$0.460	Peter	\$1.38	
10	3	CONN HEADER 8POS 4.2MM VERT TIN	WM3803-ND	\$1.300	Peter	\$3.90	
11	6	CONN RECEPT 6POS DUAL	WM3702-ND	\$0.470	Peter	\$2.82	
12	3	CONN RECEPT 4POS DUAL	WM3701-ND	\$0.310	Peter	\$0.93	
13	6	CONN HEADER 2POS 4.2MM VERT TIN	WM3800-ND	\$0.620	Peter	\$3.72	
14	3	DC/DC CONVERTER 5V 10W	102-3865-ND	\$25.820	Peter	\$77.46	
15	3	IC ANLG SW SPDT SOT23-6	296-39512-1-ND	\$1.040	Peter	\$3.12	
16	6	IC OPAMP GP 1.4MHZ RRO 8SO	497-10252-1-ND	\$1.540	Peter	\$9.24	
17	6	IC COMP LP DUAL CMOS VOLT 8 SOIC	497-2271-1-ND	\$0.680	Peter	\$4.08	
18	3	CONN HEADER 10POS DUAL SHRD SMD	609-4054-ND	\$1.110	Peter	\$3.33	
19	2	CONN RCPT 2POS 11.18MM PCB SLDR	A113980-ND	\$6.740	Peter	\$13.48	
20	10	RES SMD 15K OHM 1% 1/8W 0805	1276-5341-1-ND	\$0.044	Peter	\$0.44	
21	25	CONN HEADER 2POS 4.2MM VERT TIN	1276-5303-1-ND	\$0.044	Peter	\$1.10	

Instructor Approval:

Subtotal:	\$157.37
Shipping Fees:	\$4.99
Grand Total:	\$162.36

ECE Department Material Request

Course: ECE 492
Professor: Nadovich

Req Number: 24

Requester	Amrit
Date	1-Mar-18
Email	bhandara@lafayette.edu
Phone #	610-905-8421

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

#	Quantity	Description	Mouser #	Unit Price	Requester	Total	Rcvd
1	10	MOSFET 4V DRIVE PCH MOSFET	755-RRR015P03TL	\$0.35	Waseh	\$3.47	
2	10	Cartridge Fuses 250V 1A Fast Acting 5x20	576-0216001.MXESPP	\$0.50	Waseh	\$4.99	
3	15	Cartridge Fuses FUSE, CERAMIC TUBE 25A	530-0ADEC9250-BE	\$2.97	Waseh	\$44.55	
4	4	Standoffs and Spacers .250"	534-1904E	\$3.20	Waseh	\$12.80	

Subtotal:	\$65.81
Shipping Fees:	\$4.99
Grand Total:	\$70.80

Instructor Approval:

ECE Department Material Request

Course: ECE 492
Professor: Nadovich

Req Number: 25

Requested By	Amrit
Date	1-Mar-18
Email	bhandara@lafayette.edu
Phone Number	610-905-8421

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

#	Quantity	Description	Unit Price	Requester	Total Price	Rcvd
1	1	16 Ton Hydraulic Wire Crimping Tool	\$49.99	Amrit	\$49.99	

Subtotal:	\$49.99
Shipping Fees:	\$0.00
Grand Total:	\$49.99

Instructor Approval:

Department Approval:
(Over \$500)

Crimp Tool: **ASIN:** B07744NQ3B