

Project Status Letter

PSL number: 13

Covering period from: 04/16/18 to 04/22/18

Prepared by: Nakul Talwar & Kevin Kong & Amrit Bhandari

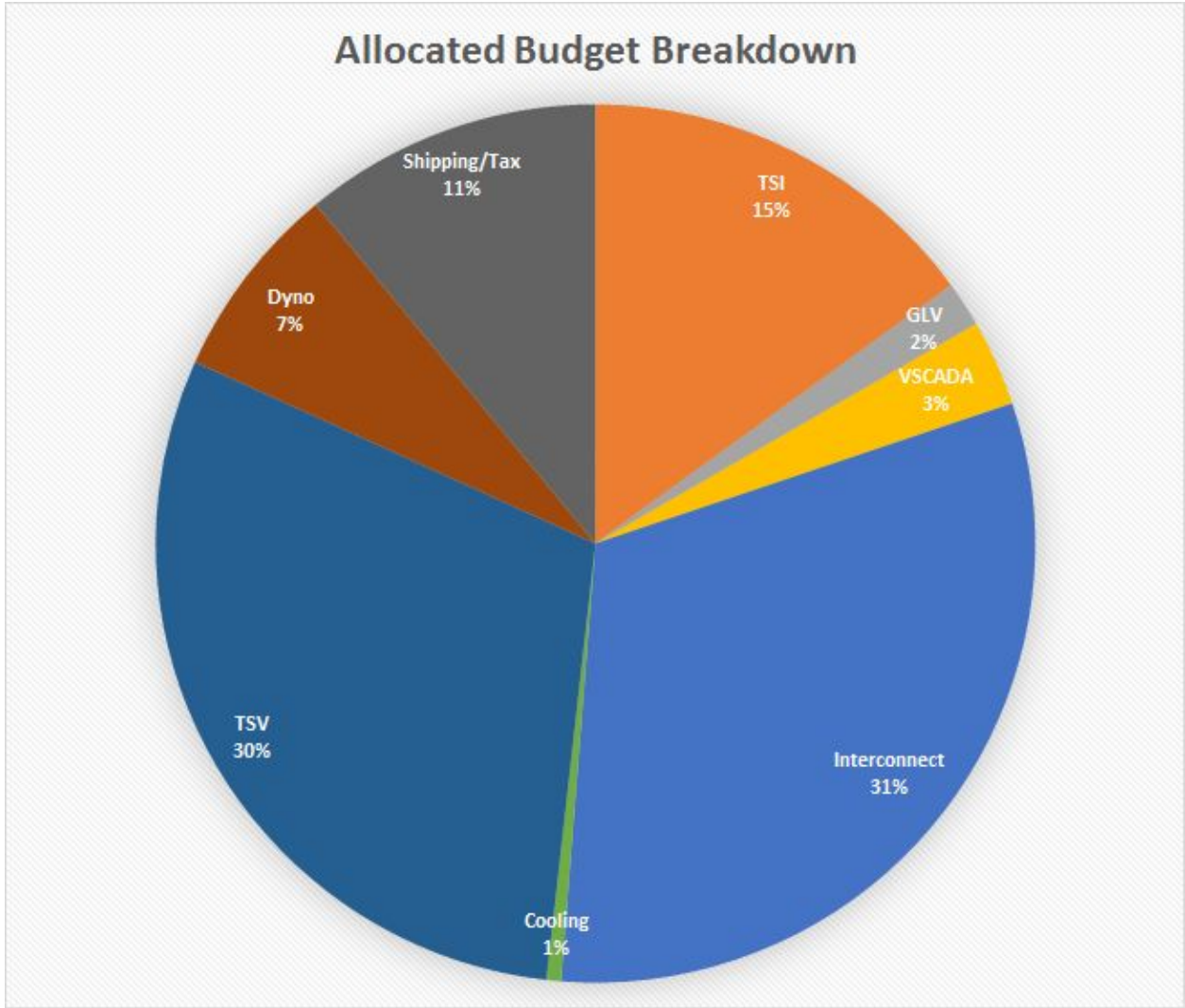
Tasks Summary from previous week:

Team	Tasks completed	Tasks planned for next week	Proposed changes	Overdue WBS items
TSV	Done			
Dyno	Done			
Cooling System	Done			
VSCADA	Done			
TSI	Done			
Interconnect	Done			
GLV	Done			
Management	MGMT 1.13: Weekly status report (Week 13)	MGMT 1.14: Weekly status report (Week 14)		
Car Integration	First ground testing	Second Full Tech Inspection Rule compliance check Ground Testing at Metzegar field *Note, we plan to drive every day so if anything break, we fix them. Packing for all the equipment Documentation of all the subsystem		

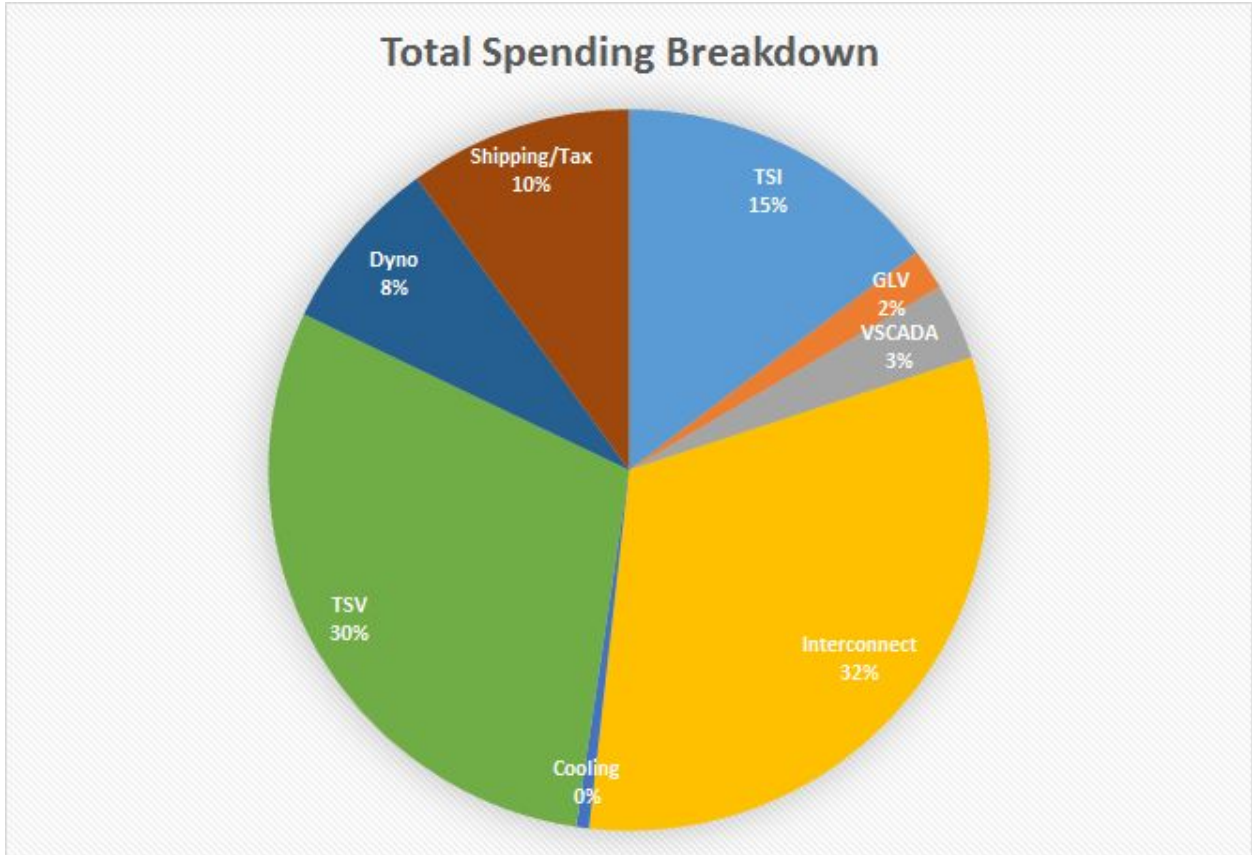
Purchasing Summary From Previous Week:

Subsystem	Spent this period	Budget Allocated	Spent to date	Budget Remaining	Percentage Spent
TSI	\$102.57	\$900.00	\$803.51	\$96.49	89.28%
GLV	\$17.38	\$100.00	\$99.60	\$0.40	99.60%
VSCADA	\$0.00	\$190.00	\$187.20	\$2.80	98.53%
Interconnect	\$100.60	\$1,885.00	\$1,739.76	\$145.24	92.29%
Cooling	\$0.0	\$32.00	\$31.55	\$0.45	98.59%
TSV	\$59.51	\$1,800.00	\$1,625.91	\$174.09	90.33%
Dyno	\$0.00	\$435.00	\$430.57	\$4.43	98.98%
Shipping/Tax	\$32.97	\$658.00	\$547.40	\$110.60	83.19%
Total	313.03	\$6,000.00	\$5,465.50	\$534.50	91.09%

Note: We overran our initial budget of \$3000 in Week 7 and told the Department that we needed another \$3000(which is an overrun of 100%) to finish the project. Last semester during our PDR we expected an initial budget of \$3000 with an anticipation that a lot of materials from last year's class will be reused. However, as we are going to the competition, we need to comply by several rules which require specific materials and parts for various parts of the car. For example: we had to change the black cables from last year to Orange Cables of 3/0 and 2/0 sizes, specific Amphenol connectors to connect the Accumulator Packs.

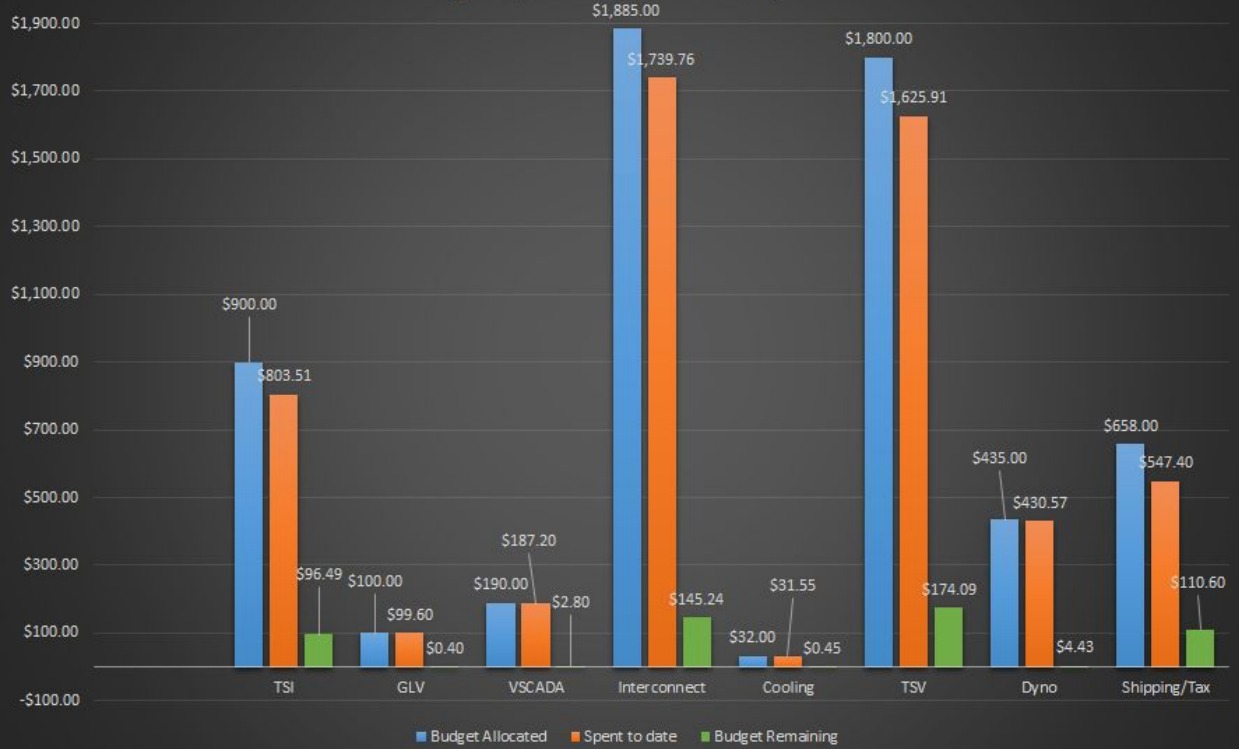


The above pie chart shows the share of each subsystem in the allocated and overrun budget combined.



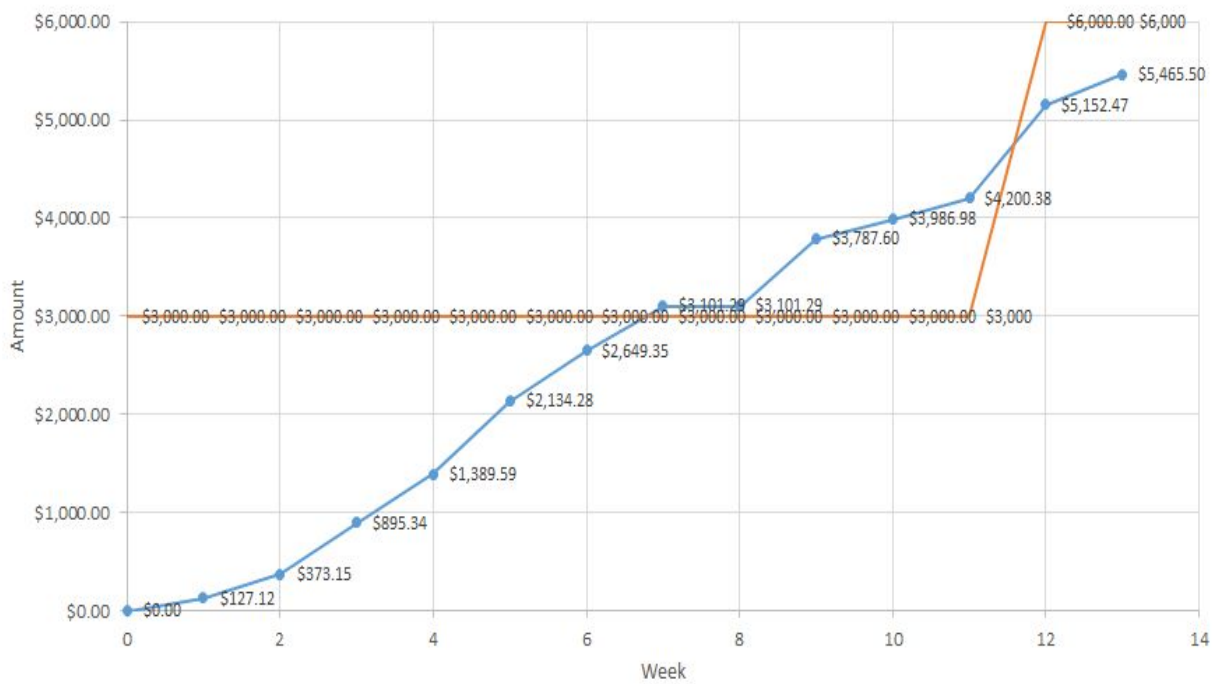
The above pie chart shows the share of each subsystem in expenditures till the date.

Budget Spending Per Sub system



Total Spent

— Total spent — Budget



APPENDIX:

ECE Department Material Request

Course: ECE 492
Professor: Nadovich

Req Number:50

Requested By: Amrit
Date: 13-Apr-18
Email: bhandara@lafayette.edu
Phone Number: 610-905-8421

Vendor: Digikey
Web Site: www.digikey.com
Phone: 1-800-344-4539
Ship By: Economy Ground

#	Quantity	Description	Digikey #	Unit Price	Requester	Total Price	Rcvd
1	50	CONN RECEPT 3MM 2POS	A30258-ND	\$0.17	Peter	\$8.55	20-Apr
2	100	CONN SOCKET 20-24AWG TIN CRIMP	A30305CT-ND	\$0.06	Peter	\$5.82	20-Apr
4	100	CONN TERM FEMALE 24-30AWG	WM4593-ND	\$0.24	Sarah	\$23.52	20-Apr

Subtotal:	\$37.89
Shipping Fees:	\$8.99
Grand Total:	\$46.88

Instructor Approval:

ECE Department Material Request

Course: ECE 492
Professor: Nadovich

Req Number:51

Requester: Amrit
Date: 16-Apr-18
Email: bhandara@lafayette.edu
Phone #: 610-905-8421

Vendor: Mouser
Web Site: www.mouser.com
Phone: (888) 346-6873
Ship By: 2 day shipping

#	Quantity	Description	Mouser #	Unit Price	Requester	Total	Rcvd
1	50	Automotive Connectors SZ 20 Deutsch	571-0460-010-20141	\$1.59	Peter	\$79.50	19-Apr
2	15	Terminals 2/0 3/8 RING TERM	644-S2/0-38R	\$2.54	Amrit	\$38.10	19-Apr
3	1	Test Leads HEAVY DUTY TEST LE	676-TL27	\$35.99	Waseh	\$35.99	19-Apr
4	15	10K Wirewound Resistors	594-AC05W10K00J	\$0.58	Peter	\$8.70	19-Apr

Subtotal:	\$162.29
Shipping Fees:	\$7.99
Grand Total:	\$170.3

Instructor Approval:

ECE Department Material Request

Course: ECE 492
Professor: Nadovich

Req Number:52

Requested By Amrit
Date 16-Apr-18
Email bhandara@lafayette.edu
Phone Number 610-905-8421

Vendor: WireCare
Web Site www.wirecare.com
Phone 855-880-8010
Ship By: Economy Ground

#	Quantity	Description	Manufacturer PN	Unit Price	Requester	Total Price	Rcvd
1	50	SIZE 16 SOLID SOCKET - 16-18-20 AWG	0462-201-16141	\$0.550	Matt	\$27.50	19-Apr

Subtotal:	\$27.50
Shipping Fees:	\$7.99
Grand Total:	\$35.49

Instructor Approval:

ECE Department Material Request

Course: ECE 492
Professor: Nadovich

Req Number:53

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

Vendor: Mouser
Web Site www.mouser.com
Phone (888) 346-6873
Ship By: 2 day shipping

#	Quantity	Description	Mouser #	Unit Price	Requester	Total	Rcvd
1	2	Circuit Breakers 3A PUSH TO RESET	655-W28-XQ1A-3	\$3.08	Kevin	\$6.16	
2	3	Circuit Breakers 2A PUSH TO RESET	655-W28-XQ1A-2	\$3.74	Kevin	\$11.22	
3	10	Automotive Connectors PLUG DT 4 WAY	571-DT06-4S	\$1.64	Amrit	\$16.40	
4	10	Automotive Connectors WEDGELOCK, DT, 4 WAY	571-W4-S	\$0.38	Amrit	\$3.80	
5	5	Automotive Connectors PLUG DT 6 WAY	571-DT06-6S	\$2.57	Amrit	\$12.85	
6	5	Automotive Connectors WEDGELOCK DT 6 WAY	571-W6-S	\$0.39	Amrit	\$1.95	

Subtotal:	\$52.38
Shipping Fees:	\$8.00
Grand Total:	\$60.4

Instructor Approval: