

## Weekly Status Report

**WSR number:** 02

**Covering period from:** 01/29/18 to 02/02/18

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

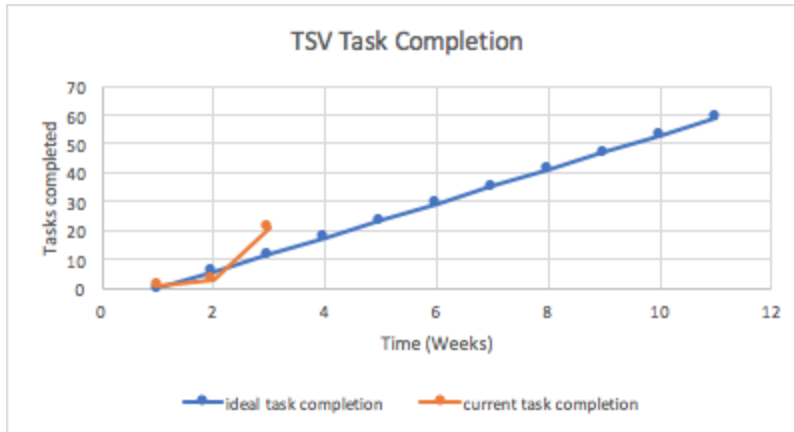
### Tasks Summary from previous week:

Team	Tasks completed	Tasks planned for next week	Proposed changes	Overdue WBS items
TSV	<p>Test plan for Discharging algorithm (TSV 6.1.1)</p> <p>Replace Crystal on PacMAN with better part (TSV 3.1)</p> <p>4 PacMan working with test unit (TSV 3.2)</p> <p>Limit lower boundary of cell voltage (TSV 3.4)</p> <p>Clocks working properly in all PacMAN (TSV 4.2)</p> <p>AMS boards recognized (TSV 2.2)</p>	<p>Verified Board with ASMVU (TSV 2.1.3)</p> <p>Have 28 Functional AMS Boards (TSV 2.1.2)</p> <p>Circuit modeling (TSV 6.1.2)</p> <p>All AMS boards working (TSV 2.1)</p>	<p>Add WBS items 2.3</p> <p>Connect monitoring connector to one AMS board.</p>	<p>Record all board status (TSV 2.1.1) will be done by Feb.4.2018</p> <p>Pack 1 rewired (TSV 4.3)</p>
Dyno	<p>Document current bugs (Dyno 3.1)</p> <p>Fixed the Bugs (Dyno 3.2)</p>	<p>Fix the motor</p> <p>One more bug has found Keep working on maintenance and performance of dyno software</p> <p>Examine the over structure and subcomponents of the dyno software. Some might need changes.</p>	<p>Motor runs into problem, that something unknown makes it stuck and cannot spin anymore</p>	N.A.
Cooling System	<p>Integrate the converter with the motor (Cooling 1.2)</p>	<p>Design new cooling system box/setup (cooling 2.1)</p> <p>Create wires for the cooling system (Cooling 2.4)</p>	<p>Update WBS items</p> <p>Modify cooling 2.1, and add cooling 2.2/2.4</p>	N.A.
VSCADA	<p>Sampling Rate for CAN data</p>	<p>Monitor CAN data and flag values that exceed thresholds</p>	<p>Added Tasks: Export CSV (SCADA 1.7)</p>	<p>Postponed graphics library until the team</p>

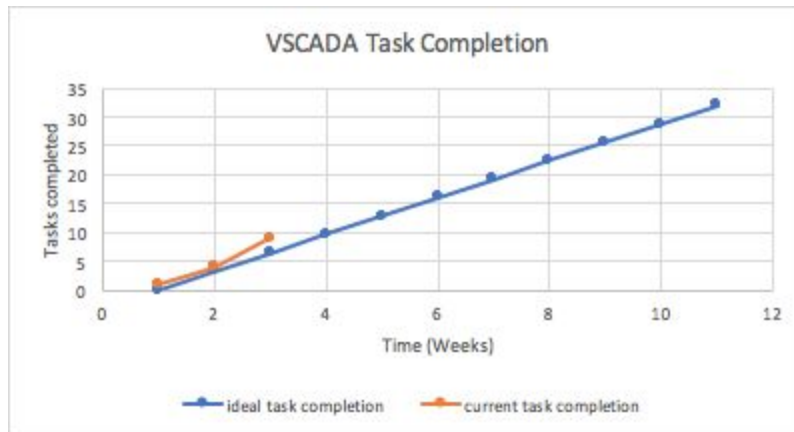
	<p>(SCADA 1.2)</p> <p>Create data file using PeeWee (SCADA 1.3)</p> <p>Create functions that store CAN data into database (SCADA 1.6)</p> <p>Order for new Driver Display put in (SCADA 3.4)</p> <p>SSH into PI (SCADA 5.1)</p>	<p>in config file. (SCADA 2.1)</p> <p>Export CSV (SCADA 1.7)</p> <p>PI CAN software works, need working CAN Network to test (SCADA 2.2)</p>		<p>get the USB display</p>
TSI	<p>Test the old board (TSI 1.4)</p>	<p>Compile Parts list for TSI (TSI 4.6)</p> <p>IMD Tests (TSI 3.5)</p> <p>Update and re-ordered TSI board (TSI 1.3.2)</p> <p>Design and order break out board (TSI 1.5.1)</p> <p>Current Measurement (TSI 2.1)</p> <p>IMD status (TSV 2.2) or Temperature Sensor (TSV 2.3)</p>	<p>Make updates for WBS again</p>	<p>Current Measurement (TSI 5.1)</p>
Interconnect	<p>Make list of all cables with locations (IC 1.2.1)</p> <p>Diagram for Amphenol Connectors (IC 1.4.1)</p>	<p>Identify low quality cables (IC 1.2.2)</p> <p>Order replacement cables (IC 1.2.3)</p> <p>Amphenol connectors ordered (IC 1.4.2)</p>	<p>N.A</p>	<p>N.A.</p>
GLV	<p>SSOK Lamp Selected &amp; Ordered (GLV 1.1)</p>	<p>Acquire New GLV box from ME team (GLV 2.1) If ME team get the new box ready</p> <p>Rewire GLV in the new box (GLV 2.2)</p> <p>Test GLV in the new box (GLV 2.3)</p>	<p>N.A.</p>	<p>N.A.</p>

<p>Management</p>	<p>Document all the required stickers that need to place on the car (MGMT 4.1)</p> <p>Compiled and processed weekly status updates and orders to produce an overall status report (MGMT 1.2)</p> <p>Document all the rules and requirements in section EV 10 (MGMT 6.1)</p> <p>Document all required photographs that need to be taken (MGMT 3.1)</p> <p>Document all the required stickers that need to place in the car (MGMT 4.1)</p> <p>Updated WBS</p>	<p>Compile and prepare weekly status report for next week including purchasing (MGMT 1.3)</p> <p>Select and order/make stickers (MGMT 4.2)</p> <p>Document all existing fuses in the car (MGMT 5.1)</p> <p>Document/cross reference existing fuses with the rules (MGMT 5.2)</p> <p>Select and order fuses (MGMT 5.3)</p>		<p>ESF-2 Delivered (MGMT 8.8)</p>
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## Progress Graph:



TSV Total Tasks: 59, Completed: 21



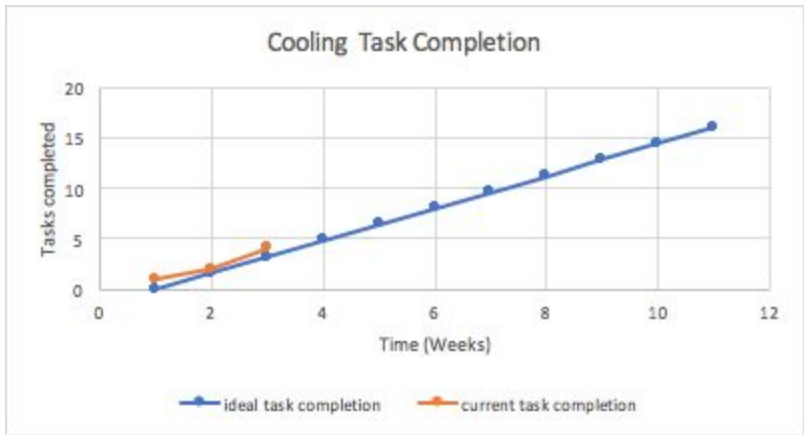
VSCADA Total Tasks: 32, Completed: 9



TSI Total Tasks: 41, Completed: 2



Dyno Total Tasks: 22, Completed: 10



Cooling Total Tasks: 16, Completed: 4



IC Total Tasks: 27, Completed: 5



TSV Total Tasks: 15, Completed: 2



TSV Total Tasks: 50, Completed: 10

**Purchasing Summary From Previous Week:**

<b>Subsystem</b>	<b>Spent this period</b>	<b>Spent to date</b>	<b>Budget Allocated</b>	<b>Budget Remaining</b>	<b>Percentage Spent</b>
<b>TSI</b>	\$37.43	\$37.43	\$500.00	\$462.57	7.49%
<b>GLV</b>	\$12.98	\$12.98	\$150.00	\$137.02	8.65%
<b>VSCADA</b>	\$114.04	\$172.59	\$100.00	<b>\$72.59</b>	<b>172.59%</b>
<b>Interconnect</b>	\$0.00	\$0.00	\$1,050.00	\$1,050.00	0.00%
<b>Cooling</b>	\$0.00	\$0.00	\$150.00	\$150.00	0.00%
<b>TSV</b>	\$57.49	\$57.49	\$500.00	\$442.51	11.50%
<b>Dyno</b>	\$0.00	\$52.80	\$100.00	\$47.20	52.80%
<b>Shipping/Tax</b>	\$8.10	\$23.87	\$450.00	\$426.13	5.30%
<b>Total</b>	<b>\$230.04</b>	<b>\$357.16</b>	<b>\$3,000.00</b>	<b>\$2,642.84</b>	<b>11.91%</b>

# Appendix:

## ECE Department Material Request

<b>Course:</b> ECE 492
<b>Professor:</b> Nadovich

<b>Req Number:</b> 4
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<b>Requested By</b>	Amrit
<b>Date</b>	30-Jan-18
<b>Email</b>	<a href="mailto:bhandara@lafayette.edu">bhandara@lafayette.edu</a>
<b>Phone Number</b>	610-905-8421

<b>Vendor:</b>	<b>Amazon</b>
<b>Web Site</b>	<a href="http://www.amazon.com">www.amazon.com</a>
<b>Phone</b>	<b>(888) 280-4331</b>
<b>Ship By:</b>	<b>Economy Ground</b>

#	Quantity	Description	Unit Price	Requester	Total Price	Rcvd
1	1	Nextrox DC/DC Converter Regulator 24V to 12V	\$15.99	Russell	\$15.99	<b>Feb 01 2018</b>

Subtotal:	<b>\$15.99</b>
Shipping Fees:	<b>\$0.00</b>
Grand Total:	<b>\$15.99</b>

Instructor Approval:

Department Approval:  
(Over \$500)

**Item model Number:** SKUOSDN6140140  
**ASIN:** B00BWKXTUU

## ECE Department Material Request

<b>Course:</b> ECE 492
<b>Professor:</b> Nadovich

<b>Req Number:</b> 5
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<b>Requested By</b>	Amrit(Dyno)
<b>Date</b>	30-Jan-18
<b>Email</b>	<a href="mailto:bhandara@lafayette.edu">bhandara@lafayette.edu</a>
<b>Phone Number</b>	610-905-8421

<b>Vendor:</b>	<b>Mouser</b>
<b>Web Site</b>	<a href="http://www.mouser.com">www.mouser.com</a>
<b>Phone</b>	<b>(888) 346-6873</b>
<b>Ship By:</b>	<b>Economy Ground</b>

#	Quantity	Description	Mouser #	Unit Price	Requester	Total Price	Rcvd
1	5	Heavy Duty Power Connectors PP 15/45	879-1327G8FP	\$1.45	Waseh	\$7.25	<b>Feb 01 2018</b>
2	4	Test Banana Jacks 4MM/Red	565-72930-2	\$2.68	Austin	\$10.72	<b>Feb 01 2018</b>
3	4	Test Banana Jacks 4MM/Black	565-72930-0	\$2.68	Austin	\$10.72	<b>Feb 01 2018</b>

Subtotal:	<b>\$28.69</b>
Shipping Fees:	<b>\$4.99</b>
Grand Total:	<b>\$33.68</b>

Instructor Approval:

Department Approval:  
(Over \$500)



## ECE Department Material Request

<b>Course:</b> ECE 492
<b>Professor:</b> Nadovich

<b>Req Number:</b> 6
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<b>Requested By</b>	Amrit
<b>Date</b>	2-Feb-18
<b>Email</b>	<a href="mailto:bhandara@lafayette.edu">bhandara@lafayette.edu</a>
<b>Phone Number</b>	610-905-8421

<b>Vendor:</b>	Super Bright LEDs
<b>Web Site</b>	<a href="http://www.superbrightleds.com">www.superbrightleds.com</a>
<b>Phone</b>	(888) 346-6873
<b>Ship By:</b>	Economy Ground

#	Quantity	Description	Part #	Unit Price	Requester	Total Price	Rcvd
1	2	Rectangular LED Lights Amber/SSOK	MDB-A12	\$6.49	Amrit	\$12.98	

Subtotal:	<b>\$12.98</b>
Shipping Fees:	<b>\$3.11</b>
Grand Total:	<b>\$16.09</b>

Instructor Approval:

Department Approval:  
(Over \$500)

## ECE Department Material Request

<b>Course:</b> ECE 492
<b>Professor:</b> Nadovich

<b>Req Number:</b> 7
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<b>Requested By</b>	Amrit
<b>Date</b>	2-Feb-18
<b>Email</b>	<a href="mailto:bhandara@lafayette.edu">bhandara@lafayette.edu</a>
<b>Phone Number</b>	610-905-8421

<b>Vendor:</b>	Amazon
<b>Web Site</b>	<a href="http://www.amazon.com">www.amazon.com</a>
<b>Phone</b>	(888) 280-4331
<b>Ship By:</b>	Economy Ground

#	Quantity	Description	Unit Price	Requester	Total Price	Rcvd
1	1	Z Series With Safety Cap, 2 Pack	\$15.99	Peter	\$15.99	
2	1	LED Strobe Light Red Lens, TSAL	\$35.00	Waseh	\$35.00	
3	3	Eklind Power T Handle Ball -Hex Key 4 mm	\$5.08	Waseh	\$15.24	

Subtotal:	<b>\$66.23</b>
Shipping Fees:	<b>\$0.00</b>
Grand Total:	<b>\$66.23</b>

Instructor Approval:

Department Approval:  
(Over \$500)

**Safety Cap:**                      **ASIN:**                      B01MUWTH89

**LED Light:**                      **ASIN:**                      B003U76AU4

**T Handle: Part/ Model Number:**                      64840  
**Global Trade Identification No.**                      37516648402

## ECE Department Material Request

<b>Course:</b> ECE 492 <b>Professor:</b> Nadovich
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<b>Req Number:</b> 8
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<b>Requested By</b> Amrit <b>Date</b> 2-Feb-18 <b>Email</b> <a href="mailto:bhandara@lafayette.edu">bhandara@lafayette.edu</a> <b>Phone Number</b> 610-905-8421
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<b>Vendor:</b> Crystalfontz <b>Web Site</b> <a href="http://www.crystalfontz.com">www.crystalfontz.com</a> <b>Phone</b> 888.206.9720 <b>Ship By:</b> Economy Ground
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#	Quantity	Description	Unit Price	Requester	Total Price	Rcvd
1	1	20x4 USB LCD Display for VSCADA	\$114.04	Geoff	\$114.04	

Subtotal:	<b>\$114.04</b>
Shipping Fees:	<b>\$0.00</b>
Grand Total:	<b>\$114.04</b>

Instructor Approval:

Department Approval:  
(Over \$500)

**Part Number:**

XES635BK-TML-KU