HPVC Results

	School	№	Rose-Hulman Institute of Technology	Brigham Young University	California Polytechnic State University Pomona	California Polytechnic State University SLO	California State University Long Beach	California State University Northridge	California State University, Chico	Delhi Technological University, Delhi, India	Franklin W. Olin College of Engineering	Grove City College	Higher Technological Institue	instituto tecnológico de Morelia	Kansas State University	LeTourneau University	Montana State University	Ohio Northern University	Oregon State University	Oxford Institute of Technology	Roger Williams University	San Jose State University	Santa Clara University	South Dakota School of Mines and Technology	South Dakota State University	Missouri University of Science and Technology	Universidad Michoacana de San Nicolás de Hidalgo	University of Arizona	University of British Columbia	University of California Berkeley - 1	University of California Berkeley - 2	University of California, Davis	University of Hawaii at Manoa	University of Kansas	University of Missouri - Kansas City	University of Nevada - Las Vegas	University of Oklahoma	University of Southern California
Vehicle Count = 36			1	2	3	4	5	6	7	8	9	10	11	12	14	15	16	17	18	19	20	21	22	23	25	24	35	36	37	38	40	44	48	52	65	75	89	97
Design Event																																						
General	**5**		5	3.5	0	5	0	3.5	5	0	5	5	0	0	0	5	4.5	3	4.5	2.5	0	4	5	5	4.5	5	4.5	3.5	4.5	5	5	4.5	5	0	2	0	5	5
Design	**15**		13.04	9.89	8.16	14.18	8.18	9.39	6.54	0	12.06	11.53	0	0	0	6.27	11.32	11.98	7.38	3.5	0	2.84	8.02	10.68	10.58	14.01	11.44	10.59	11.7	8.06	10.2	7.34	13.15	0	0	0	10.93	11.6
Analysis	**25**		21.89	11.94	6.02	23.06	6.57	21.44	10.29	0	21.03	15.5	0	0	0	6.13	12.59	16.33	11.61	1.33	0	9.88	18.12	12.05	15.88	20.04	14.73	9.35	16.02	8.51	11.92	10.66	20.65	0	0	0	12.15	22.28
Testing	**25**		21.41	8.33	10.71	20.87	7.43	15.83	3.95	0	22	10.92	0	0	0	12.13	8.89	11.95	8.19	0	0	10.89	9.77	9.7	12.25	20.24	9.05	5.04	16.06	9.93	10.14	3.69	20.03	0	0	0	9.96	16.28
Safety	**20**		19.25	15.5	15.58	19	18.58	17.7	15.98	0	16.75	18.19	0	0	0	16.79	15.71	15.25	17.67	0	0	10.5	1.67	10.25	18.5	19.25	17.4	14.25	15.25	16.5	18.75	13.75	19.5	0	16.81	0	11	19.41
Aesthetics	**10**		8	5	6.5	8.5	5.5	6	7	0	7	6	0	0	0	4.5	5.5	4	7	0	0	6.5	0	5	7	8.5	6.5	5	7	7.5	8	6.5	5	0	4.5	0	4.5	7.5
Design Event - Raw Score	**100**		**88.59**	**54.15**	**33.82**	**90.61**	**38.86**	**73.85**	**48.75**	**0**	**83.84**	**67.13**	**0**	**0**	**0**	**50.8**	**58.51**	**62.5**	**51.83**	**7.33**	**0**	**44.6**	**40.87**	**52.68**	**68.7**	**87.04**	**63.62**	**47.73**	**70.53**	**53.28**	**61.44**	**46.45**	**83.32**	**0**	**23.31**	**0**	**53.54**	**82.07**
Design Event - Total	**30**		**26.58**	**16.25**	**10.14**	**27.18**	**11.66**	**22.16**	**14.63**	**0**	**25.15**	**20.14**	**0**	**0**	**0**	**15.24**	**17.55**	**18.75**	**15.55**	**2.2**	**0**	**13.38**	**12.26**	**15.8**	**20.61**	**26.11**	**19.09**	**14.32**	**21.16**	**15.98**	**18.43**	**13.93**	**25**	**0**	**6.99**	**0**	**16.06**	**24.62**
Report content largely non-original	100%																																					
Late Report Submission (per day)	4%				28%		16%			100%			100%	100%	100%				8%											4%	4%			12%				
Late for Static Judging or Safety Check	10%																				10%		4%															
Over Page Limit (per page)	3%																																					
Report Does Not Conform to Outline	10%																																					
Design - Rank			**2**	**15**	**27**	**1**	**26**	**7**	**21**	**30**	**4**	**10**	**30**	**30**	**30**	**20**	**14**	**12**	**19**	**29**	**30**	**24**	**25**	**18**	**9**	**3**	**11**	**22**	**8**	**17**	**13**	**23**	**5**	**30**	**28**	**30**	**16**	**6**
Innovation Event																																						
Design	**10**		6.16	6.05	3.25	9.13	3.04	8.54	5.49	0	7.69	7.7	0	0	0	5.25	3.35	3.95	6.93	0	2.5	1.29	5.39	6.96	4.23	5.65	5.18	6.76	7.35	6.12	5.76	3.76	7.08	0	2.77	0	5.81	7.75
Concept Evaluation	**7**		6.5	0	2	4.87	0	6	3.81	0	6.23	2.31	0	0	0	1.75	0	1.5	2.75	0	2.25	0.75	3.55	4.38	3.6	5.45	0	3.01	6.33	3.9	5	0	5.68	0	2.63	0	1.53	5.33
Learnings	**7**		5.76	1	3.71	5.79	0	5.08	4.63	0	6.19	2.06	0	0	0	1	0	2.5	4.54	0	2.75	0	5.06	3.78	4.25	5.98	0	5	5.58	3.81	6.18	0	5.01	0	3.45	0	1.5	5.08
Execution	**6**		5.25	0	1.75	3.25	0	4.88	3.75	0	3.75	2	0	0	0	1	0	1.56	2.38	0	0	2	2.5	1.15	2.27	5.06	0	2	3.94	1.63	2	0	4	0	2.75	0	0	4.5
Bonus	**1**		0.5	1	0	0.75	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	1	0.75	0	0	0	0.75	0	0	0	0	0	0	0
Innovation Event - Raw Score	**31**		**24.18**	**8.05**	**7.71**	**23.78**	**2.19**	**25.5**	**17.68**	**0**	**23.85**	**14.08**	**0**	**0**	**0**	**0**	**4.35**	**9.46**	**15.26**	**0**	**6.75**	**0**	**15.84**	**17.26**	**14.34**	**23.14**	**5.33**	**16.78**	**23.19**	**14.83**	**18.9**	**3.76**	**22.51**	**0**	**11.59**	**0**	**8.84**	**22.66**
Innovation Event - Total	**20**		**16.12**	**5.37**	**5.14**	**15.86**	**1.46**	**17**	**11.78**	**0**	**15.9**	**9.38**	**0**	**0**	**0**	**0**	**2.9**	**6.31**	**10.17**	**0**	**4.5**	**0**	**10.56**	**11.51**	**9.56**	**15.43**	**3.56**	**11.18**	**15.46**	**9.89**	**12.6**	**2.51**	**15.01**	**0**	**7.73**	**0**	**5.89**	**15.11**
Report content largely non-original	100%																																					
Late Report Submission (per day)	4%				28%		28.00%			100.00%			100.00%	100.00%	100.00%	100.00%			8.00%	100.00%		100.00%	4.00%							4.00%	4.00%			12.00%				
Late for Presentation	10%																				10.00%																	
Over Page Limit (per page)	3%																																					
Report Does Not Conform to Outline	10%																	10.00%									10.00%											
Innovation - Rank			**2**	**21**	**22**	**4**	**27**	**1**	**10**	**28**	**3**	**17**	**28**	**28**	**28**	**28**	**25**	**19**	**14**	**28**	**23**	**28**	**13**	**11**	**16**	**6**	**24**	**12**	**5**	**15**	**9**	**26**	**8**	**28**	**18**	**28**	**20**	**7**
Women's Speed Event - Total	**12.5**		**11.71**	**7.19**	**2.42**	**10.46**	**4.42**	**9.77**	**9.04**	**0**	**10.8**	**7.87**	**0**	**0**	**0**	**10.31**	**9.58**	**5.17**	**7.96**	**0**	**0**	**7.52**	**0**	**6.91**	**6.44**	**12.5**	**7.38**	**4.17**	**8.53**	**5.62**	**6.2**	**3.66**	**9.83**	**0**	**6.61**	**0**	**5.59**	**9.75**
Fastest Time (s)	*24.49*		26.15	42.56	126.28	29.27	69.26	31.33	33.87		28.35	38.9				29.71	31.97	59.27	38.47			40.73		44.34	47.55	24.49	41.46	73.49	35.88	54.46	49.35	83.74	31.14		46.35		54.8	31.39
Women's Speed- Rank			**2**	**16**	**27**	**4**	**24**	**7**	**10**	**28**	**3**	**13**	**28**	**28**	**28**	**5**	**9**	**23**	**12**	**28**	**28**	**14**	**28**	**17**	**19**	**1**	**15**	**25**	**11**	**21**	**20**	**26**	**6**	**28**	**18**	**28**	**22**	**8**
Men's Speed Event - Total	**12.5**		**12.5**	**8.33**	**10.55**	**11.63**	**6.94**	**10.91**	**11.03**	**0**	**11.44**	**8.16**	**0**	**0**	**0**	**11.11**	**10.33**	**6.47**	**8.25**	**0**	**0**	**10.36**	**0**	**8.7**	**7.69**	**10.4**	**8.27**	**0**	**9.79**	**7.58**	**9.55**	**4.8**	**11.51**	**0**	**9.46**	**0**	**7.42**	**10.71**
Fastest Time (s)	*24.59*		24.59	36.88	29.12	26.42	44.3	28.18	27.87		26.87	37.66				27.65	29.75	47.48	37.26			29.66		35.33	39.94	29.54	37.16		31.38	40.56	32.17	63.99	26.7		32.48		41.43	28.7
Men's Speed - Rank			**1**	**17**	**9**	**2**	**24**	**7**	**6**	**27**	**4**	**20**	**27**	**27**	**27**	**5**	**12**	**25**	**19**	**27**	**27**	**11**	**27**	**16**	**21**	**10**	**18**	**27**	**13**	**22**	**14**	**26**	**3**	**27**	**15**	**27**	**23**	**8**
Endurance Event - Total	**25**		**21.41**	**0**	**19.98**	**14.52**	**9.03**	**22.32**	**18.23**	**0**	**21.13**	**13.17**	**0**	**0**	**0**	**23.94**	**19.38**	**9.48**	**16.85**	**0**	**0**	**18.57**	**0**	**12.08**	**14.17**	**22.95**	**19.82**	**13.59**	**14.23**	**10.96**	**9.32**	**16.05**	**25**	**0**	**11.24**	**0**	**0**	**23.45**
Laps Completed			42	0	38	28	18	43	36	0	40	27	0	0	0	46	39	18	32	0	0	36	0	23	27	43	38	26	27	25	18	31	47	0	22	0	0	44
Finish time (hr)			2.5265	0	2.5108	2.5345	2.5976	2.5202	2.5405	0	2.5002	2.5594	0	0	0	2.5315	2.5065	2.5353	2.5012	0	0	2.5257	0	2.5321	2.5023	2.5018	2.5308	2.5551	2.5345	2.5121	2.515	2.5424	2.5104	0	2.5087	0	2.6026	2.506
Lap Length (km)	**1.14**																																					
Avg Speed Minus Penalties (km/h)			18.3	0	17.1	12.4	7.7	19.1	15.6	0	18	11.2	0	0	0	20.4	16.5	8.1	14.4	0	0	15.9	0	10.3	12.1	19.6	16.9	11.6	12.1	9.4	8	13.7	21.3	0	9.6	0	0	20
Avg Speed Minus Penalties (mph)			11.4	0	10.6	7.7	4.8	11.8	9.7	0	11.2	7	0	0	0	12.7	10.3	5	8.9	0	0	9.9	0	6.4	7.5	12.2	10.5	7.2	7.5	5.8	4.9	8.5	13.3	0	6	0	0	12.4
Illegal Start Assistance (m)	500																																					
Damage or Loss of Parcel (m)	up to 500		200													200								100														
Failure to Stop at Stop Sign, Complete Slalom, Hairpin Turn, or Quick Turn (m)	500		1500		500	500	500	1000	1500		500	2000				500	3000		500			1000			500		500			5000	500	500			1000			
Safety Violation [Laps]	1 or more																																					
Illegal Lap [Laps]	1																																					
Min/Max Driver Lap Violation [Laps]	1																																					
Endurance - Rank			**6**	**26**	**8**	**15**	**25**	**5**	**12**	**26**	**7**	**19**	**26**	**26**	**26**	**2**	**10**	**23**	**13**	**26**	**26**	**11**	**26**	**20**	**17**	**4**	**9**	**18**	**16**	**22**	**24**	**14**	**1**	**26**	**21**	**26**	**26**	**3**
Overall - Total	**100**		**88.31**	**37.14**	**48.24**	**79.65**	**33.5**	**82.15**	**64.71**	**0**	**84.42**	**58.73**	**0**	**0**	**0**	**60.6**	**59.73**	**46.18**	**58.78**	**2.2**	**4.5**	**49.83**	**22.82**	**55**	**58.48**	**87.39**	**58.11**	**43.26**	**69.17**	**50.03**	**56.11**	**40.95**	**86.34**	**0**	**42.03**	**0**	**34.96**	**83.64**
Overall - Rank			**1**	**25**	**20**	**7**	**27**	**6**	**9**	**31**	**4**	**13**	**31**	**31**	**31**	**10**	**11**	**21**	**12**	**30**	**29**	**19**	**28**	**17**	**14**	**2**	**15**	**22**	**8**	**18**	**16**	**24**	**3**	**31**	**23**	**31**	**26**	**5**