

HPVC Results

ASME HPVC		School Vehicle																									
		California State University - Bakersfield					University of California - Berkeley					University of California - Davis					Northern Arizona University					University of Utah					
		California Polytechnic State University - San Luis Obispo					East Los Angeles College					California State University - Sacramento					University of Nevada Reno					National Aeronautics and Space Administration					
		University of Hawaii at Manoa					Newport State University of Oregon					California Polytechnic University Pomona					South Dakota State University					Lakeland University					
		South Dakota State University					University of Southern California					University of Houston					Colorado State University					University of Nevada Las Vegas					
		USC HPDT					UH Cougars					Webb Ram															
Vehicle Count = 24		Ne	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	25	
Design Event																											
General		5	5.00	5.00	3.50	4.50	4.00	5.00	5.00	5.00	1.00	0.00	5.00	5.00	4.50	4.00	5.00	4.00	4.50	5.00	0.00	4.50	5.00	0.00	0.00	0.00	0.00
Design		15	13.94	11.93	1.63	10.64	12.99	10.55	12.41	9.56	6.96	0.00	11.53	7.50	8.08	5.75	12.31	9.98	11.25	11.95	0.00	8.84	3.64	0.00	5.50	0.00	
Analysis		25	23.80	17.80	1.25	18.49	15.78	14.58	22.79	5.00	4.94	0.00	24.23	6.51	15.78	6.24	18.15	8.08	18.09	18.46	0.00	11.13	8.58	0.00	6.83	0.00	
Testing		25	20.00	13.03	1.75	19.59	11.44	11.48	9.79	4.29	0.00	0.00	19.00	4.84	12.73	5.51	16.90	2.13	15.75	12.00	0.00	4.58	4.60	0.00	3.90	0.00	
Safety		20	18.48	17.19	16.28	16.49	17.05	16.65	17.75	17.50	0.00	5.75	17.88	1.83	17.03	16.80	17.78	17.08	18.05	18.05	0.00	14.88	17.55	0.00	0.75	13.00	
Aesthetics		10	9.00	7.75	5.25	7.00	7.50	6.00	7.25	5.50	0.00	1.50	5.75	0.00	7.00	5.50	8.50	6.50	4.75	9.00	0.00	6.00	7.00	0.00	0.00	3.50	
Design Event - Raw Score		100	90.03	72.69	0.00	78.70	68.75	64.24	74.99	13.12	10.84	7.25	83.38	25.68	63.80	21.80	78.64	45.36	72.39	74.46	0.00	50.01	12.98	0.00	16.98	16.50	
Design Event - Total		30	27.01	21.81	0.00	23.61	20.63	19.27	22.50	3.94	3.25	2.18	25.01	7.70	19.14	6.54	23.59	13.61	21.72	22.34	0.00	15.00	3.99	0.00	5.09	4.95	
Report content largely non-original		100%			100%																						
Late Report Submission (per day)		4%									72.0%															40.0%	
Late for Static Judging or Safety Check		10%																									
Over Page Limit (per page)		3%										6%															
Report Does Not Conform to Outline		10%																									
Design - Rank			1	7	22	3	9	10	5	18	20	21	2	14	11	15	4	13	8	6	22	12	19	22	16	17	
Innovation Event																											
Design		7	6.65	5.85	3.77	4.48	5.53	5.25	5.83	4.08	0.00	0.00	6.48	5.80	5.55	3.20	5.40	3.93	5.80	6.45	0.00	3.78	5.23	0.00	0.00	0.00	
Concept Evaluation		8	6.93	5.20	4.27	4.13	4.27	4.28	4.54	1.75	0.00	0.00	4.33	0.95	3.64	1.30	5.30	2.10	4.55	1.73	0.00	2.55	0.10	0.00	0.00	0.00	
Learnings		7	5.15	6.40	1.50	4.90	4.23	5.68	5.20	4.05	0.00	0.00	4.63	2.63	3.95	1.25	5.30	2.38	4.48	5.75	0.00	2.37	1.17	0.00	0.00	0.00	
Execution		6	5.13	1.20	3.43	3.93	2.88	4.13	4.50	0.05	0.00	0.00	2.43	0.00	1.50	2.00	2.73	0.93	4.34	2.88	0.00	0.17	0.13	0.00	0.00	0.00	
Multiplier		1x to 2x	1.77	1.48	0.78	1.28	1.22	1.07	1.13	1.11	0.00	0.00	1.46	1.39	1.48	1.01	1.24	1.30	1.20	1.58	0.00	1.04	1.30	0.00	0.00	0.00	
Innovation Event - Raw Score		56	42.31	27.53	10.16	22.35	20.67	20.61	22.72	2.42	0.00	0.00	25.98	12.10	21.62	3.93	23.31	11.84	22.84	26.52	0.00	9.23	5.83	0.00	0.00	0.00	
Innovation Event - Total		20	15.11	9.83	3.63	7.98	7.38	7.36	8.11	0.87	0.00	0.00	9.28	4.32	7.72	1.40	8.33	4.23	8.16	9.47	0.00	3.29	2.08	0.00	0.00	0.00	
Report content largely non-original		100%																									
Late Report Submission (per day)		4%																									
Late for Presentation		10%																									
Over Page Limit (per page)		3%																									
Report Does Not Conform to Outline		10%																									
Innovation - Rank			1	2	14	8	10	11	7	18	19	19	4	12	9	17	5	13	6	3	19	15	16	19	19	19	
Women's Speed Event - Total		12.50	11.50	6.50	6.50	9.50	0.00	8.50	7.10	0.00	0.00	7.80	0.00	8.50	7.10	12.50	7.10	6.00	7.10	6.50	6.50	10.50	0.00	0.00	0.00		
Fastest Non Qualifying Time (s)		370.32	73.08	83.71	89.39	66.97		68.47	64.50	70.53		73.27		101.84	87.55	53.19	97.21	370.32	52.00	83.72	142.08	56.80					
Women's Speed - Rank			2	13	13	4	18	5	7	9	18	18	7	18	5	9	1	9	17	9	13	13	3	18	18	18	
Men's Speed Event - Total		12.50	11.50	7.10	6.00	7.10	7.80	7.10	9.50	8.50	0.00	5.50	6.50	0.00	8.50	6.50	10.50	7.10	6.50	12.50	6.50	5.57	7.80	0.00	0.00	6.00	
Fastest Non Qualifying Time (s)		74.00	45.86	60.38	74.00	54.52	53.20	70.14	52.34	54.39		80.69	64.46		51.53	62.41	51.31	55.99	58.21	45.63	44.62	78.69	55.57			119.97	
Men's Speed - Rank			2	9	17	9	7	9	4	5	21	20	13	21	5	13	3	9	13	1	13	19	7	21	21	17	
Endurance Event - Total		25.00	24.51	20.32	12.92	16.15	0.00	17.09	16.71	15.16	0.00	11.36	13.81	0.00	7.62	19.09	23.30	20.74	18.49	18.90	25.00	4.62	13.17	0.00	0.00	14.37	
Laps Completed		46.00	38.00	25.00	30.00	0.00	33.00	31.00	29.00	0.00	22.00	28.00	0.00	16.00	36.00	43.00	39.00	37.00	35.00	47.00	10.00	25.00	0.00	0.00	28.00		
Finish time (hr)		2.5436	2.5289	2.5275	2.5408	0.0000	2.5378	2.5383	2.5394	0.0000	2.5456	2.5072	0.0000	2.5369	2.5483	2.5094	2.5439	2.5258	2.4706	2.5483	2.5350	2.5511	0.0000	0.0000	2.5831		
Lap Length (km)		1.18																									
Avg Speed Minus Penalties (km/hr)		20.6	17.1	10.9	13.6	0.0	14.4	14.0	12.7	0.0	9.5	11.6	0.0	8.4	18.0	19.6	17.4	15.5	15.9	21.0	3.9	11.1	0.0	0.0	12.1		
Avg Speed Minus Penalties (mph)		12.8	10.6	6.7	8.4	0.0	8.9	8.7	7.9	0.0	5.8	7.2	0.0	4.0	10.0	12.2	10.8	9.7	9.9	13.1	2.4	6.8	0.0	0.0	7.5		
Illegal Start Assistance (m)		500 per instance																									
Damage or Loss of Parcel (m)		500 max				300								300								500				500	
Failure to Stop at Stop Sign, Complete Slalom, Heaps Turn, or Quick Turn (m)		500 per penalty	500	500	1000			1500		1000		1000	500		500	500			500	3000	1000	500		500		500	
Safety Violation (Laps)		1 or more																									
Illegal Lap (Laps)		1																									
Min/Max Driver Lap Violation (Laps)		1																									
Endurance - Rank			2	5	16	11	20	9	10	12	20	17	14	20	18	6	3	4	8	7	1	19	15	20	20	13	
Overall - Total		100.00	89.63	65.559	29.05	64.345	35.81	59.318	64.62	35.556	3.25	19.034	62.40	12.024	51.48	40.636	78.22	52.777	60.86	70.309	38.00	34.992	37.45	0	5.09	25.320	
Overall - Rank			1	4	18	6	15	9	5	16	23	20	7	21	11	12	2	10	8	3	13	17	14	24	22	19	