

<b>Results Summary</b>			
<b>Event</b>	<b>Place</b>	<b>Award</b>	<b>Team</b>
Design	3rd	trophy	1 - Vellore Institute of Technology
	2nd	trophy	33 - Chandigarh University
	1st	trophy and cash prize	9 - Thakur College of Engineering and Technology, Mumbai
Women's Speed Event	3rd	trophy	1 - Vellore Institute of Technology
	2nd	trophy	14 - SRM Institute Of Science And Technology
	1st	trophy and cash prize	37 - NMIMS Mukesh Patel School of Technology and Management
Men's Speed Event	3rd	trophy	15 - Aditya Silver Oak Institute Of Technology
	2nd	trophy	22 - Kalinga Institute Of Industrial Technology
	1st	trophy and cash prize	37 - NMIMS Mukesh Patel School of Technology and Management
Endurance	3rd	trophy	28 - Federal Institute Of Science And Technology (FISAT)
	2nd	trophy	1 - Vellore Institute of Technology
	1st	trophy and cash prize	22 - Kalinga Institute Of Industrial Technology
Overall	3rd	trophy and cash prize	22 - Kalinga Institute Of Industrial Technology
	2nd	trophy and cash prize	37 - NMIMS Mukesh Patel School of Technology and Management
	1st	trophy and cash prize	1 - Vellore Institute of Technology
<b>Other Awards</b>	<b>Note</b>		
Sportsmanship			1 - Vellore Institute of Technology
Team Spirit			34 - Anurag Group Of Institutions
Innovation			31 - Marwadi Education Foundations Group Of Institutions
Perseverance			35 - Jorhat Engineering College

2019 Asia Pacific HPVC Results

School	Vehicle	Lap Times (s)																																									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
<b>Design Event</b>	<b>Vehicle Count = 40</b>																																										
<b>General</b>	<b>5</b>	5.00	4.00	4.00	4.00	4.50	4.50	6.00	4.00	4.00	4.00	6.00	6.00	6.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
<b>Design</b>	<b>15</b>	9.83	8.08	9.87	9.42	7.25	5.08	5.00	9.33	10.75	8.00	10.50	11.08	8.33	9.83	6.00	8.50	6.17	9.33	8.33	11.58	9.92	10.92	3.75	10.17	7.92	8.92	10.17	10.83	11.00	10.58	11.42	10.58	11.00	10.42	12.25	8.17	9.58	7.87	11.42	10.50		
<b>Analysis</b>	<b>25</b>	15.35	7.87	18.17	18.25	12.67	9.17	6.00	14.00	18.75	18.25	12.75	15.87	5.00	14.67	11.67	17.17	11.08	16.58	13.17	14.75	13.83	13.50	3.46	14.42	12.08	14.17	15.17	15.00	13.87	5.00	13.92	16.92	17.00	9.33	14.17	12.00	14.50	11.17	14.50	17.33		
<b>Testing</b>	<b>25</b>	15.67	3.33	12.17	14.00	8.58	5.00	0.00	13.33	18.33	16.92	9.87	14.42	6.67	6.83	7.50	14.17	5.42	12.75	13.33	14.00	13.42	15.17	2.00	8.58	9.33	6.92	15.98	11.33	12.75	6.00	12.75	15.50	15.50	9.25	12.42	10.17	17.17	9.33	12.42	14.50		
<b>Safety</b>	<b>20</b>	17.17	1.33	17.17	16.17	15.87	13.17	13.50	16.83	17.17	16.33	17.50	15.00	15.00	17.17	16.33	14.00	16.00	16.50	17.87	17.50	16.50	16.50	13.87	17.00	1.87	2.00	16.33	17.17	16.83	15.87	15.50	17.17	17.00	15.50	16.33	16.33	17.00	1.17	15.83	15.83		
<b>Aesthetics</b>	<b>10</b>	8.00	0.00	6.00	6.00	5.00	4.00	5.00	7.50	7.00	5.00	8.00	8.50	7.50	10.00	8.00	8.00	7.50	5.00	8.50	8.00	5.00	5.00	5.00	5.00	5.00	0.00	0.00	8.00	8.00	5.00	5.00	10.00	5.00	6.00	6.00	5.00	0.00	7.00	8.00	0.00	0.00	0.00
<b>Design Event - Raw Score</b>	<b>100</b>	71.02	22.42	67.17	67.83	53.67	40.92	18.50	65.00	76.00	69.00	62.42	0.00	42.50	63.00	53.50	64.75	50.17	51.48	65.00	70.42	62.67	65.00	0.00	60.67	35.00	36.00	69.25	65.83	65.75	47.25	0.00	69.67	75.00	53.00	65.17	56.67	67.75	0.00	65.17	70.17		
<b>Design Event - Total</b>	<b>50</b>	35.51	11.21	33.58	33.92	26.83	20.46	9.25	32.50	38.00	34.50	31.21	0.00	21.25	31.50	26.75	32.36	25.08	25.74	32.50	35.21	31.33	32.54	0.00	30.33	17.50	18.00	34.63	32.92	32.88	23.63	0.00	34.63	37.50	26.50	32.58	28.33	33.88	0.00	32.58	35.08		
Report content largely non-original	100%																																										
Late Report Submission (per day)	4%																																										
Late for Static Judging or Safety Check	10%																																										
Over Page Limit (per page)	3%																																										
Report Does Not Conform to Outline	10%																																										
Performance testing video																																											
<b>Design - Rank</b>		3	35	11	9	25	32	36	17	1	8	22	37	31	20	26	19	29	28	17	4	21	16	37	23	34	33	7	12	13	36	37	6	2	27	14	24	10	37	14	5		
<b>Women's Speed Event - Total</b>	<b>12.5</b>	10.80	4.01	6.50	1.99	4.05	9.90	0.00	1.69	9.10	9.10	6.50	0.00	5.33	11.60	8.20	4.65	5.84	5.15	3.18	2.21	7.40	5.92	0.00	6.00	0.00	0.00	7.40	7.40	0.00	5.35	8.20	6.50	7.40	0.00	0.00	0.00	12.50	0.00	6.50	4.56		
Fastest Non Qualifying Time (s)	79.00	59.16	104.75	58.32	211.22	103.60	57.58	0.00	249.07	62.16	62.43	68.13	0.00	78.51	66.00	61.48	90.31	71.97	81.63	132.1	150.32	60.03	71.00	0.00	70.00	0.00	0.00	61.60	65.84	0.00	78.47	64.94	59.60	61.57	0.00	0.00	0.00	66.90	92.16				
<b>Women's Speed - Rank</b>		3	28	13	29	25	4	31	30	5	5	13	31	21	2	7	23	19	22	27	28	9	18	31	17	31	31	9	9	31	20	7	13	9	31	31	31	1	31	13	24		
<b>Men's Speed Event - Total</b>	<b>12.5</b>	8.26	0.00	6.50	6.50	3.86	9.10	8.20	1.69	9.90	6.00	5.55	0.00	5.31	5.82	10.80	5.47	5.91	2.89	4.88	1.16	5.02	11.60	9.10	6.50	0.00	0.00	7.40	7.40	2.92	5.29	7.40	3.85	6.50	4.80	4.62	5.51	12.50	0.00	1.02	7.40		
Fastest Non Qualifying Time (s)	84.87	49.00	0.00	53.82	54.07	65.28	49.33	49.78	194.96	48.54	54.81	59.23	0.00	61.91	56.5	45.25	60.16	55.88	113.97	67.38	284.34	85.47	47.81	51.44	84.03	0.00	0.00	48.40	50.56	112.56	62.15	50.46	85.31	54.09	68.53	71.25	59.72	43.87	0.00	321.00	51.22		
<b>Men's Speed - Rank</b>		7	36	13	13	29	5	7	33	4	17	20	36	23	19	3	22	18	32	26	34	25	2	5	13	36	36	9	9	31	24	9	30	13	27	28	21	1	36	35	9		
<b>Endurance Event - Total</b>	<b>25</b>	24.56	8.59	17.89	15.48	12.29	20.57	0.00	8.79	15.70	20.55	15.26	0.00	13.32	17.90	20.41	18.31	16.74	16.45	6.09	13.65	14.96	25.00	14.06	17.45	0.00	0.00	22.79	22.89	3.03	0.00	0.00	16.19	12.82	4.02	9.80	16.54	20.06	0.00	15.27	7.35		
Laps Completed		14.00	22.00	37.00	30.00	38.00	6.00	21.00	32.00	38.00	29.00	6.00	34.00	38.00	44.00	34.00	33.00	33.00	12.00	28.00	31.00	14.00	32.00	32.00	0.00	0.00	39.00	41.00	13.00	2.00	1.00	39.00	22.00	22.00	24.00	38.00	38.00	0.00	27.00	21.00			
Finish time (hr)		2.583	2.500	2.568	2.500	2.584	2.5763	2.5000	2.5844	2.5244	2.5233	2.5872	2.5000	2.5981	2.5194	2.5509	2.5808	2.5000	2.5636	2.5000	2.5800	2.5639	2.5628	2.5519	2.5000	2.5000	2.5000	2.5192	2.5719	2.5000	2.5000	2.5000	2.5342	2.5603	2.5633	2.5659	2.5542	2.5000	2.5197	2.5000			
Lap Length (km)	0.909																																										
Avg Speed (minus penalties & plus bonus) (km/h)		15.0	5.3	10.9	9.5	7.5	12.8	-1.9	8.4	9.8	12.8	9.3	-1.8	8.1	11.0	12.5	11.2	10.2	10.1	3.7	8.4	9.2	15.3	8.8	10.7	-1.8	-1.8	13.9	14.0	1.9	-1.5	-2.0	9.9	7.8	2.5	6.0	10.1	12.3	0.0	9.3	4.5		
Avg Speed (minus penalties & plus bonus) (mph)		9.3	3.3	6.8	5.9	4.7	7.8	-1.2	5.3	6.0	7.8	5.8	-1.1	5.1	6.8	7.8	7.0	6.4	6.3	2.3	5.2	5.7	9.5	5.3	6.6	-1.1	-1.1	8.7	8.7	1.2	-1.0	-1.2	6.2	4.9	1.5	3.7	6.3	7.6	0.0	5.8	2.8		
Lock Security Challenge- Time to Remove Vehicle (s)																																											
Lock Security Challenge- Additional Laps Awarded (Laps)																																											
Illegal Start Assistance (m)	200																																										
Damage or Loss of Parcel (m)	up to 500																																										
Failure to Stop at Stop Sign, Complete Status, Haven Turn, Speed Limit, Runway Stop or Queue Turn (m)	200	2,000	1,400	1,000	3,600	2,800	2,300	200	600	1,200	1,000	2,300	0	1,800	2,400	3,600	2,000	4,400	4,200	1,600	3,000	3,800	800	2,600	2,400	0	0	600	2,000	1,600	200	400	1,600	200	2,800	1,000	400	3,200	0	1,000	2,400		
Safety Violation (Laps)	1 or more																																										
Absence Driver Meeting (Laps)	1																																										
Min/Max Driver Lap Violation (Laps)	1																																										
<b>Endurance - Rank</b>		2	29	11	16	26	5	34	28	17	6	28	34	24	10	7	9	13	15	31	23	21	1	22	12	34	34	4	3	33	34	34	16	25	32	27	14	8	34	19	30		
<b>Overall - Total</b>	<b>100</b>	79.07	23.81	64.48	57.88	47.03	60.03	17.45	44.66	72.70	70.15	58.53	0.00	45.21	66.83	66.16	60.80	53.57	50.22	46.85	52.22	58.72	75.06	23.16	60.28	17.50	18.00	72.21	70.60	38.82	34.27	15.60	61.38	64.22	35.31	46.99	50.38	78.93	0.00	55.38	54.39		
<b>Overall - Rank</b>		1	33	10	18	25	15	37	29	4	7	17	39	28	8	9	13	21	24	27	22	16	3	34	14	36	35	5	6	30	32	38	12	11	31	26	23	2	39	19	20		

Teams penalized for plagiarism  
 Teams which did not submit lap counting sheet