

2021 HPVC Critical Design Review Results

School	Guru Gobind Singh Indraprastha University	National Institute of Technology Rourkela	National Institute of Technology Patna	Liberty University	B.H.Gardf College of Engineering & Technology	The College of New Jersey	K L University	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	Ryerson University	Universidad de las Fuerzas Armadas	University of Virginia	INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY, SHIBPUR	bannari amman Institute of technology	University of Texas Rio Grande Valley	Silver Oak University	APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY	Indian Institute of Technology, r	
Vehicle	ASHVA 5.0	BLUEST REAK 8.0	Quarentino	The Liberty Aero		The Storm		VIGRAH		Condorb all z	Smithhina tor 2.0	RAGNA R 2.0			Team Infinity 3.0			
Vehicle Count = 79	No	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CDR Event Raw Scores																		
General	5	3.37	3.93	3.33	4.13	0.00	3.90	3.50	2.48	0.00	2.90	4.00	3.47	0.00	0.00	2.90	0.00	0.00
Design	15	5.05	11.12	8.77	10.37	0.00	10.23	8.97	7.10	0.00	5.77	10.97	10.00	0.00	0.00	6.37	0.00	0.00
Analysis	25	5.50	17.40	15.00	17.50	0.00	16.62	13.38	9.07	0.00	3.70	17.67	16.37	0.00	0.00	7.47	0.00	0.00
Presentation Delivery	10	4.17	8.07	4.10	8.20	0.00	6.80	0.00	3.60	0.00	4.27	6.10	7.10	0.00	0.00	4.03	0.00	0.00
CDR Event Normalized Total Score	55	18.24	45.30	34.03	44.72	0.00	41.32	28.47	25.43	0.00	18.19	42.74	41.57	0.00	0.00	22.24	0.00	0.00
Report content largely non-original	100%																	
Late Report Submission (per day)	7.0%	7%																
Over Page Limit (per page)	3%																	
Report Does Not Conform to Outline	10%				2%		2%				1%	2%						
CDR Event Rank		46	3	27	4	53	12	32	36	53	47	7	9	53	53	41	53	53

Notes:

- 1) Normalized Total Scores are obtained via statistical adjustment to account for varying judge harshness
- 2) Normalized Total Scores include penalties as shown

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	School	Chabot College	Marwadi University	Sir M Visvesvaraya Institute of Technology	UC Berkeley	Florida Atlantic University	Rose-Hulman Institute of Technology	Delhi Technological University (DTU)	Universidad Nacional de San Agustín de Arequipa	South Dakota School of Mines and Technology	Bannari amman Institute of technology	Chandigarh College of Engineering and Technology	BNM Institute of Technology	Indian Institute of Technology Roorkee	College of Engineering and Technology	Lamar University	Lamar University
Vehicle	Vehicle	Revivals		HotDog	Owls Biking	Shrike 2.0	APTERA	Misti Mark X	Frogthol omu				Rudra	Prancer 3.0	Pushpak	Velo Bolt	Not Fast Just Furious
Vehicle Count = 79	No	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
CDR Event Raw Scores																	
General	5	0.00	3.73	0.00	4.17	3.22	3.30	3.87	3.93	2.97	0.00	0.00	3.43	3.43	3.32	2.78	1.38
Design	15	0.00	7.40	0.00	12.20	7.20	5.03	9.37	10.30	5.90	0.00	0.00	8.50	9.67	10.25	5.08	4.83
Analysis	25	0.00	10.48	0.00	17.60	3.23	4.63	15.13	16.15	7.43	0.00	0.00	10.67	17.13	9.81	4.88	6.08
Presentation Delivery	10	0.00	5.50	0.00	7.23	5.23	2.63	5.67	5.97	5.43	0.00	0.00	7.83	7.33	2.92	5.33	5.17
CDR Event Normalized Total Score	55	0.00	29.27	0.00	46.15	19.48	17.54	38.21	0.00	23.31	0.00	0.00	29.80	37.31	23.69	18.85	16.21
Report content largely non-original	100%																
Late Report Submission (per day)	7.0%					7%			100%								
Over Page Limit (per page)	3%																
Report Does Not Conform to Outline	10%					1%							3%		12%		10%
CDR Event Rank		53	31	53	2	44	48	20	53	40	53	53	30	22	39	45	49

Notes:

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School	Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering & Technology	University of Southern California	NMIMS MIPSTME	CHANDIGARH COLLEGE ENG. AND TECH.	University of Puerto Rico-Mayaguez	San Jose State University	The LMU Institute of Information Technology	Maripal Institute of Technology	St. Joseph's College of Engineering and Technology	École de technologie supérieure	Universidad Nacional Autónoma de México	BANNARI AMMAN INSTITUTE OF TECHNOLOGY	Alexandria university	Sir M. Visvesvaraya Institute of Technology	BITS Pilani, Pilani Campus	Binghamton University	
Vehicle	Killua	Komodo 2.0	Agni 2.0		RUMble bee	Casper	Pinak		Falcon 3.0	AEROO	Tesalia		tachyons	GODZILLA		Bearcat Trike	
Vehicle Count = 79	No	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
CDR Event Raw Scores																	
General	5	3.27	3.97	4.37	0.00	3.18	4.03	4.42	0.00	2.77	4.12	4.25	0.00	3.90	3.28	0.00	4.43
Design	15	5.83	9.17	9.75	0.00	8.58	7.67	11.67	0.00	8.00	12.33	11.00	0.00	10.00	9.17	0.00	12.00
Analysis	25	2.83	17.67	19.76	0.00	5.83	15.42	18.96	0.00	2.33	22.83	20.08	0.00	16.58	14.08	0.00	15.33
Presentation Delivery	10	0.17	7.33	6.50	0.00	7.17	5.58	8.83	0.00	0.00	7.83	8.33	0.00	8.17	6.50	0.00	7.50
CDR Event Normalized Total Score	55	13.03	38.92	41.12	0.00	24.21	33.30	44.26	0.00	12.35	47.12	43.25	0.00	37.04	33.58	0.00	39.58
Report content largely non-original	100%																
Late Report Submission (per day)	7.0%									7%							
Over Page Limit (per page)	3%									6%							
Report Does Not Conform to Outline	10%					3%					1%			4%			
CDR Event Rank		51	18	13	53	38	29	5	53	52	1	6	53	24	28	53	16

Notes:

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School	JADAVPUR UNIVERSITY	Shiv Nadar University	National Institute of Technology, Silchar	KIT Deemed to be University	Vellore Institute of Technology	NIT Jamshedpur	College of Engineering and Technology Bhubaneswar	University of Central Florida	APJ Abdul Kalam Technological University	Assuit university	Vasavi College Of Engineering	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, Kattankulathur	South Dakota State University	MES COLLEGE OF ENGINEERING KUTTIYURAM KERALA	TKM COLLEGE OF ENGINEERING	Dwarkadas J Sanghvi College of E	
Vehicle	MATER	Tejas 6.0	Vulcan		Acinonyx	HERMES	The Speedy Knugget	XCALIBUR	Trispeed	VELOX 3.2	SRM-HPV	AutoJack		NATUS 2.0			
Vehicle Count = 79	No	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
CDR Event Raw Scores																	
General	5	0.00	3.93	4.45	3.60	0.00	4.29	4.62	4.58	4.58	4.60	4.47	3.55	4.90	0.00	4.15	0.00
Design	15	0.00	11.42	5.58	10.50	0.00	10.95	13.23	11.07	13.20	11.23	10.72	7.30	11.25	0.00	7.25	0.00
Analysis	25	0.00	18.25	11.37	14.69	0.00	18.08	14.27	14.20	14.28	13.67	15.95	10.77	16.45	0.00	8.75	0.00
Presentation Delivery	10	0.00	8.00	5.42	6.00	0.00	6.67	8.33	8.10	6.75	6.58	6.25	7.18	8.17	0.00	4.83	0.00
CDR Event Normalized Total Score	55	0.00	40.84	27.32	35.22	0.00	41.43	41.32	39.46	40.38	37.12	38.83	28.37	42.73	0.00	21.52	0.00
Report content largely non-original	100%																
Late Report Submission (per day)	7.0%																
Over Page Limit (per page)	3%																
Report Does Not Conform to Outline	10%		2%					2%								3%	6%
CDR Event Rank		53	14	35	26	53	10	11	17	15	23	19	33	8	53	42	53

Notes:

- 1) Normalized Total Scores are obtained via statistical adjustment to account for varying judge harshness
- 2) Normalized Total Scores include penalties as shown

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	School	Universidad Privada Del Valle	INTERNATIONAL ISLAMIC UNIVERSITY, ISLAMABAD	Clarkson University	Instituto Tecnológico y de Estudios Superiores de Monterrey	Rajagiri school of engineering and technology	University of Central Oklahoma	Northeastern University	APJ Abdul Kalam Technological University	Federal Institute Of Science And Technology	P.R. Pote (Patil) College Of Engineering And Management Amravati	MAR ATHANASIOS COLLEGE OF ENGINEERING	THAKUR COLLEGE OF ENGINEERING AND TECHNOLOGY	University of Wisconsin-Milwaukee	Montana State University
	Vehicle		TEAM IUI THUNDER HPV	Two Peas in a Quad		Trailblazer 2.0				SATVAN 5.0	RAGE		Zarf		Sko' Cats
Vehicle Count = 79	No	66	67	68	69	70	71	72	73	74	75	76	77	78	79
CDR Event Raw Scores															
General	5	0.00	3.22	3.25	0.00	3.88	0.00	0.00	0.00	4.40	3.50	0.00	4.77	0.00	4.67
Design	15	0.00	8.08	2.13	0.00	8.18	0.00	0.00	0.00	6.68	7.13	0.00	12.65	0.00	11.28
Analysis	25	0.00	7.00	2.85	0.00	11.55	0.00	0.00	0.00	9.17	13.88	0.00	17.10	0.00	13.42
Presentation Delivery	10	0.00	0.00	7.18	0.00	0.00	0.00	0.00	0.00	5.42	4.17	0.00	7.50	0.00	8.05
CDR Event Normalized Total Score	55	0.00	15.62	0.00	0.00	21.34	0.00	0.00	0.00	25.09	28.12	0.00	35.83	0.00	37.63
	Report content largely non-original	100%		100%											
	Late Report Submission (per day)	7.0%													
	Over Page Limit (per page)	3%											18%		
	Report Does Not Conform to Outline	10%				1%									2%
CDR Event Rank		53	50	53	53	43	53	53	53	37	34	53	25	53	21

Notes:

- 1) Normalized Total Scores are obtained via statistical adjustment to account for varying judge harshness
- 2) Normalized Total Scores include penalties as shown