

## 2021 Innovation Scores

School	Vehicle																				
	Team Alcyone	RB338	Time Dilators	Condorb all	The Knight Riders	Human Powered Hawks	Innovato rs	UC Berkeley HPV Team	EGS20H	South Dakota State University	Lopes Engineers	Mississippi State University	Trispeed	BLUEST REAK 8.0	ASME Spartans	Sko'Cat s	Tejas 6.0	TEAM GATI	Ketav	UB ASME	
<b>Vehicle Count = 59</b>	<b>Ne</b>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
<b>Innovation Event Raw Scores</b>																					
<b>Innovation Multiplier (Raw)</b>	<b>1x - 2x</b>	0.00	1.42	1.67	0.00	1.08	1.33	1.42	1.67	0.00	1.33	1.25	0.00	0.00	0.00	1.42	1.33	1.33	0.00	1.25	0.00
<b>Design (Raw)</b>	<b>7</b>	0.00	2.83	5.83	0.00	4.17	5.92	4.08	5.83	0.00	4.92	3.92	0.00	0.00	0.00	4.67	4.92	4.33	0.00	3.67	0.00
<b>Concept Evaluation (Raw)</b>	<b>8</b>	0.00	1.92	4.58	0.00	4.33	4.00	4.92	6.33	0.00	5.25	2.75	0.00	0.00	0.00	3.67	2.42	1.83	0.00	2.50	0.00
<b>Learnings (Raw)</b>	<b>7</b>	0.00	2.25	4.67	0.00	2.58	3.83	4.50	4.83	0.00	4.42	2.42	0.00	0.00	0.00	4.58	3.33	3.50	0.00	2.42	0.00
<b>Execution (Raw)</b>	<b>6</b>	0.00	1.50	4.08	0.00	2.50	3.33	3.58	4.33	0.00	3.92	2.00	0.00	0.00	0.00	3.83	1.58	1.50	0.00	3.00	0.00
<b>Presentation Delivery (Raw)</b>	<b>5</b>	0.00	2.00	3.83	0.00	3.42	3.33	3.42	4.00	0.00	4.00	2.92	0.00	0.00	0.00	3.50	3.75	3.25	0.00	3.42	0.00
<b>Innovation Event - Normalized Total Score</b>	<b>66</b>	<b>0.00</b>	<b>14.64</b>	<b>36.08</b>	<b>0.00</b>	<b>18.84</b>	<b>28.31</b>	<b>29.09</b>	<b>41.13</b>	<b>0.00</b>	<b>29.78</b>	<b>17.50</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>28.50</b>	<b>20.80</b>	<b>19.18</b>	<b>0.00</b>	<b>18.62</b>	<b>0.00</b>
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<b>Innovation Event - Rank</b>		<b>37</b>	<b>33</b>	<b>3</b>	<b>37</b>	<b>26</b>	<b>11</b>	<b>9</b>	<b>1</b>	<b>37</b>	<b>7</b>	<b>29</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>10</b>	<b>16</b>	<b>22</b>	<b>37</b>	<b>27</b>	<b>37</b>

**Notes:**

- 1) Raw scores are the average judge scores before normalization and are only shown to indicate areas for improvement
- 2) Normalized Total Scores are obtained via statistical adjustment to account for varying judge harshness
- 3) Normalized Total Scores include penalties as shown

**2021 Innovation Scores**

School	Revivals	Overbuilt and Underpaid	SATVAN 5.0	VULCAN	TEAM PHOTON	Engines and demons	Team Optimech Racing	Hardrocker Human Powered Vehicle	Lakehead HPVC	SRM-HPV	Nusantara_NG	Véloom	ASME UWM	Universiti Tunku Abdul Rahman	Team HPVC IIT Roorkee	Liberty Aero	UVA HPVC Team	NEW FANGLED	Velomóvil Rs	Mechinsight	
Vehicle	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
<b>Vehicle Count = 59</b>	<b>Ne</b>	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
<b>Innovation Event Raw Scores</b>																					
<b>Innovation Multiplier (Raw)</b>	<b>1x - 2x</b>	1.25	1.25	1.08	1.17	1.33	1.08	1.00	1.33	0.00	1.33	1.03	1.63	1.52	0.00	1.37	0.00	1.23	1.37	1.50	0.00
<b>Design (Raw)</b>	<b>7</b>	4.33	5.25	1.83	4.33	5.33	4.50	0.00	3.50	0.00	3.22	0.67	5.58	5.75	0.00	3.58	0.00	4.17	4.58	5.42	0.00
<b>Concept Evaluation (Raw)</b>	<b>8</b>	1.53	1.33	1.92	2.50	4.00	2.50	0.00	1.75	0.00	2.83	2.50	6.75	5.17	0.00	5.17	0.00	4.25	5.25	5.67	0.00
<b>Learnings (Raw)</b>	<b>7</b>	1.92	3.92	1.00	3.83	3.75	3.08	0.00	3.67	0.00	2.50	0.00	5.17	5.75	0.00	4.75	0.00	2.92	3.83	5.25	0.00
<b>Execution (Raw)</b>	<b>6</b>	1.67	2.17	0.67	1.50	3.50	3.33	0.00	2.17	0.00	1.42	1.67	5.17	4.75	0.00	3.25	0.00	3.42	2.67	2.92	0.00
<b>Presentation Delivery (Raw)</b>	<b>5</b>	2.58	3.83	2.10	3.08	3.67	4.00	0.00	3.42	0.00	4.28	1.55	4.67	4.58	0.00	3.67	0.00	3.57	3.38	4.08	0.00
<b>Innovation Event - Normalized Total Score</b>	<b>66</b>	<b>14.82</b>	<b>20.14</b>	<b>7.84</b>	<b>17.52</b>	<b>26.55</b>	<b>19.54</b>	<b>0.00</b>	<b>19.08</b>	<b>0.00</b>	<b>16.18</b>	<b>6.38</b>	<b>36.66</b>	<b>32.40</b>	<b>0.00</b>	<b>23.72</b>	<b>0.00</b>	<b>19.15</b>	<b>23.85</b>	<b>29.47</b>	<b>0.00</b>
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<b>Innovation Event - Rank</b>		<b>32</b>	<b>18</b>	<b>35</b>	<b>28</b>	<b>12</b>	<b>20</b>	<b>37</b>	<b>25</b>	<b>37</b>	<b>30</b>	<b>36</b>	<b>2</b>	<b>5</b>	<b>37</b>	<b>15</b>	<b>37</b>	<b>24</b>	<b>14</b>	<b>8</b>	<b>37</b>
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School	T K M College of Engineering	KIT Deemed to be University	Sri M. Visvesvaraya Institute of Technology	Indian Institute of Technology Technology, Shibpur	CALIFORNIA STATE UNIVERSITY NORTHRIIDGE	National Institute of Technology	University of South Florida	University of Southern California	MES COLLEGE OF ENGINEERING	Instituto Tecnológico de Veracruz	College of engineering and technology	NIT JAMSHEDPUR	Delhi Technological University	MAR ATHANASIUS COLLEGE OF ENGINEERING	University of Tennessee, Knoxville	Michigan State University	Alexandria university	University of Rochester	K L University	
Vehicle	Natus 2.0	KETAV	Cycle-Ops	RAGNAR	CSUN HPVC INNOVATION	XLeration	USF Bulls	USC Recumbent Vehicle Design Team	RAPTOR 2.0	Tiburones Blancos	Elite	TEAM ECORIDERS	Team Raftaar	CELES 2.0	University of Tennessee, Knoxville	Spartan Racers	tachyons	QuadFox	Team Avidruth	
Vehicle Count = 59	No	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
<b>Innovation Event Raw Scores</b>																				
<b>Innovation Multiplier (Raw)</b>	<b>1x - 2x</b>	0.00	0.00	0.00	1.40	1.57	1.43	0.00	1.40	1.10	0.00	0.00	1.17	1.33	0.00	1.50	0.00	1.30	0.00	0.00
<b>Design (Raw)</b>	<b>7</b>	0.00	0.00	0.00	4.33	6.08	4.08	0.00	4.75	3.83	0.00	0.00	3.33	4.77	0.00	5.58	0.00	4.67	0.00	0.00
<b>Concept Evaluation (Raw)</b>	<b>8</b>	0.00	0.00	0.00	2.83	5.08	3.17	0.00	4.83	1.42	0.00	0.00	2.25	3.58	0.00	5.17	0.00	2.58	0.00	0.00
<b>Learnings (Raw)</b>	<b>7</b>	0.00	0.00	0.00	2.58	6.17	4.92	0.00	5.42	0.17	0.00	0.00	3.83	2.33	0.00	5.90	0.00	3.67	0.00	0.00
<b>Execution (Raw)</b>	<b>6</b>	0.00	0.00	0.00	2.58	4.67	1.08	0.00	2.42	1.17	0.00	0.00	2.50	3.08	0.00	3.58	0.00	3.17	0.00	0.00
<b>Presentation Delivery (Raw)</b>	<b>5</b>	0.00	0.00	0.00	3.57	4.35	3.68	0.00	4.08	3.13	0.00	0.00	3.67	3.77	0.00	3.75	0.00	2.98	0.00	0.00
<b>Innovation Event - Normalized Total Score</b>	<b>66</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>19.45</b>	<b>34.27</b>	<b>20.57</b>	<b>0.00</b>	<b>25.64</b>	<b>10.10</b>	<b>0.00</b>	<b>0.00</b>	<b>16.09</b>	<b>19.82</b>	<b>0.00</b>	<b>29.96</b>	<b>0.00</b>	<b>19.16</b>	<b>0.00</b>	<b>0.00</b>
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<b>Innovation Event - Rank</b>		<b>37</b>	<b>37</b>	<b>37</b>	<b>21</b>	<b>4</b>	<b>17</b>	<b>37</b>	<b>13</b>	<b>34</b>	<b>37</b>	<b>37</b>	<b>31</b>	<b>19</b>	<b>37</b>	<b>6</b>	<b>37</b>	<b>23</b>	<b>37</b>	<b>37</b>
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