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Inspire Award		Score
Think	Think	18
Connect	TA	6
Reach	TA	6
Sustain	TA	6
Innovate	MCI	6
Control	MCI	6
Design	MCI	6
		54

Portfolio Required
 Judge Interview Required
 Either Portfolio or Judge Interview Required

Think Award			Score (0-3)	Weight	Score	Met Criteria	Award Value
Required	Portfolio	The PORTFOLIO must include engineering content which includes at least one of the following: A. evidence of use of the engineering process, B. lessons learned, C. trade off analysis /cost benefit analysis, and/or D. mathematical analysis used to make design decisions	1	2	2	1	9
Encouraged	Portfolio	Team PORTFOLIO may include information about resources which includes any number of the following examples: A. how the team learns from team mentors, and/or a development plan for team members to learn new skills, B. how the team recruited new people into FIRST, and/or C. how the team identified goals and tracked progress towards their goals throughout the season.	1	1	1	1	4.5
Encouraged	Portfolio	PORTFOLIO information is organized in a clear and intuitive manner	1	1	1	1	4.5
				4		1	18

Connect Award			Score (0-3)	Weight	Score	Met Criteria	Award Value
Required	Portfolio or Interview	Team must describe, display, or document a team plan that covers all of the following: A. The team's goals for the development of team member skills B. The steps the team has taken or will take to reach those goals	1	2	2	1	3.0
Encouraged	Portfolio or Interview	Provide clear examples of developing in person or virtual connections with individuals in the engineering, science, or technology community	1	1	1	1	1.5
Encouraged	Portfolio or Interview	Provide clear examples of how team actively engages with the engineering community	1	1	1	1	1.5
				4		1	6

Reach Award			Score (0-3)	Weight	Score	Met Criteria	Award Value
Required	Portfolio or Interview	Team must discuss, describe, display, or document their outreach objectives and how their outreach activities support the FIRST community.	1	2	2	1	2.0

Required	Portfolio or Interview	Team must discuss, describe, display, or document their successful recruitment of new teams, or coaches, or mentors and/or volunteers who are not otherwise active within the FIRST community.	1	2	2	1	2.0
Encouraged	Portfolio or Interview	Is an ambassador for FIRST programs in a way that makes FIRST loud.	1	1	1	1	1.0
Encouraged	Portfolio or Interview	Has a creative and evolving approach to outreach materials that market their team and FIRST.	1	1	1	1	1.0
				6		1	6

Sustain Award			Score 6 (0-3)	Weight	Score	Met Criteria	Award Value
Required	Portfolio or Interview	Team must discuss, describe, display, or document their plan(s) which includes at least one of the following: A. finances and financial sustainability plan, B. season project planning, and/or C. team sustainability plans and/or objectives.	1	2	2	1	2.0
Required	Portfolio or Interview	Team must discuss, describe, display or document how a team tracks their progress towards their plan(s) listed above	1	2	2	1	2.0
Encouraged	Portfolio or Interview	Team has clear team roles for all members of the team and a process for developing leadership.	1	1	1	1	1.0
Encouraged	Portfolio or Interview	Team can discuss, describe, display, or document how they manage the team's constraints and/or risks..	1	1	1	1	1.0
				6		1	6

Innovate Award			Score 6 (0-3)	Weight	Score	Met Criteria	Award Value
Required	Portfolio or Interview	Team must describe, display, or document examples of the team's engineering content that illustrate how the team arrived at their design solution.	1	2	2	1	1.7
Required	Portfolio or Interview	ROBOT or ROBOT MECHANISM is creative and/or unique in its design.	1	2	2	1	1.7
Required	Portfolio or Interview	The innovative element must be stable, robust, and contribute positively to the team's game objectives most of the time.	1	2	2	1	1.7
Encouraged	Portfolio or Interview	Designs often come with risks, the team should discuss, describe, display or document how they mitigated that risk.	1	1	1	1	0.9
				7		1	6

Control Award			Score 6 (0-3)	Weight	Score	Met Criteria	Award Value
Required	Portfolio	Team must submit a PORTFOLIO. The PORTFOLIO must include all of the following: A. hardware and/or software control COMPONENTS on the ROBOT, B. which challenges each COMPONENT or system is intended to solve, and C. how does each COMPONENT or system work.	1	2	2	1	1.7
Required	Portfolio	Team must use one or more hardware or software solutions to improve ROBOT functionality by using external feedback and control.	1	2	2	1	1.7
Encouraged	Portfolio	The control solution(s) should work consistently during most MATCHES.	1	1	1	1	0.9
Encouraged	Portfolio	Team could discuss, describe, display, or document how the solution may consider reliability either through demonstrated effectiveness or identification of how the solution could be improved	1	1	1	1	0.9
Encouraged	Portfolio	Use of the engineering process to develop the control solutions (sensors, hardware and/or algorithms) used on the ROBOT includes lessons learned.	1	1	1	1	0.9
				7		1	6

Design Award			Score 6 (0-3)	Weight	Score	Met Criteria	Award Value
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Required	Portfolio or Interview	A team must be able to describe or demonstrate how their ROBOT is elegant, efficient (simple/executable), and practical to maintain.	1	2	2	1	1.7
Required	Portfolio or Interview	The entire machine design, or the detailed process used to develop the design, is worthy of this recognition, and not just a single COMPONENT.	1	2	2	1	1.7
Encouraged	Portfolio or Interview	The ROBOT distinguishes itself from others by its aesthetic and functional design.	1	1	1	1	0.9
Encouraged	Portfolio or Interview	The basis for the design is well considered (that is inspiration, function, etc.)	1	1	1	1	0.9
Encouraged	Portfolio or Interview	Design is effective and consistent with team game plan and event strategy..	1	1	1	1	0.9
			7			1	
						6	