ROBOParade Judging Rubric

ROBOFEST Lawrence Technological University

Team ID: _____ Team Name: _____ Flag #: _____

Judge Name & Signature: _____

Brief project description:

(*) Judging Score

5: Strongly Agree	excellent, outstanding, advanced, exemplary, or amazing
4: Agree	good, accomplished, or proficient
3: Neutral	average, intermediate level, or acceptable
2: Somewhat Disagree	attempted but needs work
1: Disagree	little attempted or needs lots of help

1 - 5

Judging Category	Sub Categories	Weight	Score*
1. Artistic Creativity	Robot float is unique, artistically appealing, and aligned with theme.	15%	
2. Robot Design & Float Performance	Students applied unique, technically creative and innovative elements to the robotics project. Robot mechanical design is creative, user-friendly, sturdy, robust, and performed reliably.	10%	
	Robot size and rear bumper requirements are perfectly satisfied and did not cause any issues during "Judging Parade". If the robot has a numbered flag, suggested score is 4 or 5. If the robot has a lettered flag, check the Test Parade Checklist** items 1 and 2.	5%	
3. Interactions	There are elements of wireless interaction between the robot and the team players using sensors or other communication technologies.	10%	
4. Robot Parade (line-following) Performance	Robot meets Test Parade Checklist** items 3 & 4 for robust and reliable parade performance. If the robot has a numbered flag, suggested score is 4 or 5. If a lettered flag, 1 or 2 is suggested.	10%	
	Robot reliably and successfully negotiates two official 2-minute "Judging Parade" autonomously (without human touch). If both are successful: this score is 5. Only one success: 3, no success: 1	15%	
5. Teamwork	Teamwork and team spirit are evident. Division of labor (who did what) explained clearly during the team introduction. *Note: If the team only has one member, the score should be 1 or 2 depending on the quality.*	10%	
6. Robot Speed Display	Displayed speed is as accurate as the measured speed. Check Test Parade Checklist** items 6 and 7.	5%	
	Students are able to explain displayed speed through math, physics and coding concepts. Check both the Test Parade Checklist** item 8 and inspect their code by visiting team tables.	10%	
7. Team Independence	I believe the project was mostly designed, developed, and programmed by the students, not by adult coaches, parents, or mentors. (Interviews with students are needed)	10%	
	Total	100%	

(**) Completed "Test Parade Checklist" for each team should be available to all the Judges

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Updated 2/15/2024