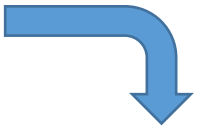
Robofest Exhibition Judging Rubric (updated 3-3-2015)

Team Name:
Team ID:
Division (circle one): Jr. Sr.

Judge Name:
Brief project description:

(*) Judging Score

5: Strongly agree	excellent, 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. Math & Science learning	This project truly applies the concepts of math & science.	8%	
	Students have sound and rigorous knowledge of the math & science concepts they applied.	8%	
2. Project idea and originality	The project idea was wow!	6%	
	I asked the team whether similar projects exist. The project itself is unique or has creative and original components. If project was entered in previous competition, it has significantly different/new features.	6%	
3. Project demo performance (robot)	The official public robot demo was free from problems and very impressive.	10%	
4. Project presentation (humans)	Project presentation was clear, well organized, and delivered effectively. Student attitude toward spectators was courteous. (Students reacted professionally when the robot did not perform as expected.)	8%	
	Information on the team poster, brochure was clear, well designed, and able to be understood even by robotic novices.	2%	
	The team provided information on the web such as a team website, blogs, OR YouTube videos.	2%	
5. Teamwork	Specific member roles were clearly introduced. Work division is done well and balanced. Each team member seems to know as much as the other team member. Teamwork and team spirit was evident. *If one member team, the score should be 1.*	8%	
6. Robot design	I inspected and tested the robot. The robot mechanical design was creative, effective, user-friendly, and sturdy.	7%	
	New, unique, innovative technologies/tools/parts/materials were introduced and used effectively.	3%	
7. Project size	The project is complex with multiple features/functions and components.	7%	
8. Practicality	The project shows practical & useful problem solving skills that have the potential to culminate in a useful robotics project. Students had entrepreneurial ideas and mindset as well.	7%	
9. Programming	I asked students who were involved in programming to explain parts of the programming code. They totally understood the code and seemed like they wrote the programs. Programs are well structured & commented.	8%	
10.Team independence	I believe the project was mostly designed, developed, and programmed by students, not by adult coaches, parents, or mentors.	10%	
		100%	