

# Exhibition

## Robofest Exhibition Judging Rubric

Division: \_\_\_\_ Jr. \_\_\_\_ Sr. Team Name: \_\_\_\_\_ Team ID: \_\_\_\_\_

Judge Name:

Brief project description:

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

1 ~ 5

| Judging Category                    | Sub Categories   | Weight | Score |
|-------------------------------------|--|--------|-------|
| 1. STEM learning                    | This project truly demonstrates applications of science, engineering, and math.  | 8%     |       |
|                                     | Students have an age appropriate understanding of the science, engineering and math concepts they applied.   | 8%     |       |
| 2. Project idea and originality     | The project idea is very original and showed impressive creative thinking and problem solving skills.  | 12%    |       |
| 3. Project demo performance (robot) | The official public robot demo is free from problems and very impressive.  | 12%    |       |
| 4. Project presentation             | Project presentation is clear, well organized, and delivered effectively within the allowed time.  | 8%     |       |
|                                     | Information on the team poster, brochure and signage is clear, well designed, and able to be understood even by robotic novices. Project is within allowed size parameters.  | 4%     |       |
| 5. Teamwork                         | Specific member roles are clearly introduced. Work division is well balanced. Team members are respectful toward each other.   | 5%     |       |
|                                     | Teamwork and team spirit are evident. <i>Note: If the team only has one member, the score should be 1.</i>   | 3%     |       |
| 6. Robot design                     | The robot mechanical design is creative, effective, user-friendly, and sturdy.   | 8%     |       |
| 7. Project complexity               | The project is complex with multiple features/functions, sensors, and components.  | 7%     |       |
| 8. Practicality                     | The project shows potential as a useful and practical application of robotics technology.  | 7%     |       |
| 9. Programming                      | Students are able to explain their programming code. Programs are well structured and commented.   | 8%     |       |
| 10. Team independence               | Based on my observations and interaction with the team, I believe the project was mostly designed, developed, and programmed by students, not by adult coaches, parents, or mentors. The students were able to clearly and confidently explain each part of their project. | 10%    |       |