| No | Evaluation Items | | Evaluation contents | Score distribution (School) | Score distribution (Home) | Evaluation Rubrics |
|---|---|---|---|---|---|---|
| 1 | Past Experience | | ・The team member's experience with participating in robotics competitions. | 5 | 5 | * in WRS 2018 - 3 pints<br>* in a national or local competition - 1 point<br>* in an international competition - 2 points<br>* in WRS trial(s) and WRS 2018 - 4 points<br>* in WRS 2018 and an international competition - 4 points<br>* in WRS 2018 and multiple international competitions - 5 points |
| | | | ・The team won awards at other competitions.<br>・The team won awards at international competitions. | 5 | 5 | * an award at a national/local competition - 1 point<br>* an award at an international competition -2 points |
| 2 | Innovativeness | ・The team's idea for school/home robot. | ・The team have an innovative and practical idea for school/home robot. | 25 | 25 | * the idea is new unique, and largely different from teams presented in WRS 2018 - 25 points<br>* the idea is somehow similar to the ones from WRS 2018 but with major improvement/modifications are visible in the proposal - 15 points or above<br>*(Cut-off score 15 points)* |
| 3 | Validity of development plan | Validity and feasibility of development method | ・The team has a solid plan for solving the problem that they set. | 15 | 15 | * presented concrete plan that makes us believe that they can execute within the timeframe before WRS 2020 in October - 15 points<br>* presented a plan that is nearly complete, with some missing details , but majority of the plan is promising - 10 points |
| 4 | | Appropriateness of development capability | ・The team shows that they are capable of executing their plan. | 15 | 15 | * majority of members have programming/robotics experience and assigned roles that ensures the successful execution of their idea - 15 points<br>* most of members have programming/robotics experience, but majority of the members have assigned roles that makes us believe that they can execute their idea - 10 points |
| 5 | | Code development | ・They have a solid idea for the code for executing their idea.<br>・ The flowchart clearly shows how their code will be created. | 20 | 10 | * they have developed a concrete plan on code development that ensures the successful execution of their idea - 20 {School}/10 (Home) points<br>* they showed some understanding of how they would develop their code which makes us believe that they can execute their idea - 10 (School)/ 5 (Home) points |
| 6 | | Robot development (Home only) | The team has a good design or construction of their robot. | 0 | 10 | * they showed a good design and the development plan of the robot that ensures the successful execution of their idea - 10 points<br>* they have some idea but do not have any concrete design or development plan - 0 point |
| 7 | Practicality | | ・Their robot development plan is well sorted out and shows a possibility of successful execution by the team. | 10 | 10 | * overall execution plan that ensures the successful execution of their idea is visible in their proposal - 10 points<br>* the proposal is still preliminary idea level and does not convey concrete plan for execution - 0 point |
| 8 | Idea/Design to improve energy efficiency | | ・The development may contribute to the realization of energy-saving society by energy conservation of robot alone/energy conservation as robot system/ energy saving by robot utilization in applied industry. | 5 | 5 | * presented a creative idea to reduce energy consumption in their proposal - 5 points<br>* presented some ide to improve energy efficiency, i.e. speeding up a process by xxx - 1 point<br>* did not include a plan/idea for energy efficiency - 0 point |
| 9 | Team members' age category | | elem, middle, high school | xx | xx | |
| | | | Total : | 100 | 100 | |