|  |  |
| --- | --- |
| **2020 GCER Botball Onsite Presentation Rubric** |  |
| Team#:  |
| These questions pertain to the period between regionals and GCER. (Prompt-refers to the judges having to prompt the student to provide the answer) | **Yes** | **No** |  |
| **Introduction**Presenters are ready to present at assigned time. | 2 | 0 |  |
|  |
|  | Presenters introduce themselves to judges. | 2 | 0 |  |
| **Team Knowledge****Structure and Organization**Description provided detailing team demographics (#, gender, grade level). | 2 | 0 |  |
|  | Described process for meeting (in-class, extracurricular, after school, weekends). | 2 | 0 |
| Described how the team was organized (officers, leaders, committees, etc.). | 2 | 0 |
| **Teamwork**Description of the decision making process the team used when deciding on strategy and/or robot design. | 4 | 0 |
|  | At least one example of how the team handled conflict. | 4 | 0 |
| A brief discussion of the team's goals/strategies at the beginning of the season and how they did or did not change over the building and programming period.Description of how division of labor was accomplished. | 2 | 0 |  |
|  |
| 2 | 0 |  |
| **Robot Design****Description of the overall robot system (students may use robot of choice).**Provided overview of the robot's mechanical systems. | 4 | 0 |  |
|  | Included explanation of how the mechanical design supports sensors. | 4 | 0 |
| Included explanation of how the mechanical design supports effector. | 4 | 0 |
| Provided at least one example of how the robot was tested. | 4 | 0 |
| Provided detail of test data analysis used such as; average, mean, max. or min. | 4 | 0 |
| Provided at least one example of actual robot code and explained what it does by pointing out what sensors are being used and what motors are being driven. | 8 | 0 |
| Provided a description of a tough problem encountered with the design and a brief explanation of how it was solved. | 4 | 0 |  |
| Provided a description of an elegant solution to a problem encountered in design or construction. | 4 | 0 |  |
| **Supporting Documentation (ELECTRONIC PRESENTATIONS ALLOWED)**Includes at least one: Photograph or CAD or Drawing or Physical Model. | 4 |  |  |
|  |
|  | Item was used to effectively support ANY idea/concept on rubric. | 2 |
| Includes a Flow Chart that shows **computer program** flow. | 4 |
| Item was used to effectively support program flow | 2 |
| Includes a Graph. (Must include units and enough data to describe the distribution; include measure(s) of central tendency-avg. mode, median, etc.) | 4 |  |
| Effectively used to describe data distribution in support of concept. | 2 |  |
| **Communication Skills**Presentation followed a logical progression (overall quality of presentation). |  |  |
| 2 | 4 | 6 | 8 |  |
| **Overall Quality of Presentation****Knowledgeable in Q & A responses**Thoroughly covered OR effectively answered questions about team structure and organization. | 2 |  |  |
|  |
| Thoroughly covered OR effectively answered questions about mechanical design. | 2 |
| Thoroughly covered OR effectively answered questions about robot code. | 2 |
| **Social Media Impact** How has your team promoted robotics, your team, or your school? | 4 |  |
| **Finished in Allotted Time** (8 minutes) | 6 |
| **Judge's Comments** (Remember these are optional & students **will** be able to read them) |  |
|  |