**TEAM \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ INSTRUCTORS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PROJECT \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**FUNCTIONAL CRITERIA**

| **Team Member (Name)** | **Key Function / Feature**  **Metric** | | **How It Will Be Demonstrated** | **Target Specification** | **Score 4-0** |
| --- | --- | --- | --- | --- | --- |
| 1 |  | |  |  |  |
| 2 |  | |  |  |  |
| 3 |  | |  |  |  |
| 4 |  | |  |  |  |
| 5 |  | |  |  |  |
| 6 |  | |  |  |  |
| 7 |  | |  |  |  |
|  | | | | **Average** |  |
| **Instructions:**  Each team member must demonstrate one key feature for their subsystem. They must define how they will make that demonstration and identify the target value for that metric. | | **Scoring:**  4 = fully functioned and meets all of the spec  3 = functioned and nearly meets the spec  2 = mostly functioned and mostly meets the spec  1 = partially functioned and / or barely meets the spec  0 = did not work and/or did not meet the spec | |  | X 10 |
| **Upper Score** |  |
|  |  |

**ADDITIONAL CRITERIA**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Excellent** | **Good** | **Satisfactory** | **Poor** | **Unsatisfactory** |
| **Creativity** | Shows innovative use of technology  **(12)** | Some innovative use of technology  **(11)** | Innovations mentioned but not clearly visible  **(9)** | Innovations unclear, not mentioned  **(8)** | Simply a copy of existing technology  **(7)** |
| **Aesthetics** | Project shows excellent durable workmanship  **(12)** | Project shows some attention to durable workmanship  **(11)** | Project is assembled, components attached  **(9)** | Loose / poorly attached components, wiring disorderly  **(8)** | Project shows little or no attempts at workmanship  **(7)** |
| **Intuitive /**  **Ease of use** | Project self-communicates design intent, user manual not required  **(12)** | Project can be operated with little guidance / training  **(11)** | Project can be operated with guidance / training    **(9)** | Project operation requires detailed explanation or training  **(8)** | Project operation is unclear even with explanation  **(7)** |
| **Safety** | Safety features visible and demonstrated  **(12)** | Safety features visible or demonstrated **(11)** | Features mentioned but not demonstrated **(9)** | Features not mentioned  **(8)** | No safety features visible or demonstrated **(7)** |
| **Robustness** | Project works every time it’s operated without any adjustments  **(12)** | Project works multiple times with little or no adjustment  **(11)** | Project works multiple times but requires some attention / adjustment **(9)** | Project works once but operation cannot be repeated  **(8)** | Project does not work at all  **(7)** |