**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)** |