Tradeoff Matrix Rubric

|  |  |  |  |
| --- | --- | --- | --- |
| **Dimension** | **Proficient** | **Developing** | **Needs Improvement** |
| Design scoring | Baseline concept has been set and the -1, 0, +1 scoring system is used accurately | Baseline concept has not been set and/or -1, 0, +1 scoring system is not completely correct | Baseline concept and scoring system is completely incorrect |
| Scoring Justification | Justification for scores of design concepts are reasonable and rational in relation to criteria and constraints | Justification for scores of design concepts are partially or incompletely reasoned and rational in relation to criteria and constraints | Justification for scores of design concepts are missing or wholly unreasonable in relation to criteria and constraints |
| Concept Selection | Data cited from the tradeoff matrix to support concept selection are wholly appropriate and sufficient to justify the team’s choice. | Data cited from the tradeoff matrix to support concept selection are partially appropriate and/or sufficient to justify the team’s choice. | Not data are cited from the tradeoff matrix to justify the team’s design choice or the data cited are inappropriate or insufficient. |
| Feedback to the design team: | | | |