Ethical and Environmental Analysis

Year: \_\_\_\_\_\_ Semester: \_\_\_\_\_\_\_\_ Team: \_\_\_\_\_ Project:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Creation Date: ­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Last Modified: March 3, 2015

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Assignment Evaluation:

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| --- | --- | --- | --- | --- |
| **Item** | **Score (0-5)** | **Weight** | **Points** | **Notes** |
| **Assignment-Specific Items** | | | | |
| **Environmental Impact** |  | x6 |  |  |
| **Ethical Challenges** |  | x6 |  |  |
| **Writing-Specific Items** | | | | |
| **Spelling and Grammar** |  | x2 |  |  |
| **Formatting and Citations** |  | x1 |  |  |
| **Figures and Graphs** |  | x2 |  |  |
| **Technical Writing Style** |  | x3 |  |  |
| **Total Score** |  | | |  |

5: Excellent 4: Good 3: Acceptable 2: Poor 1: Very Poor 0: Not attempted

Comments:

*Comments from the grader will be inserted here.*

1. Environmental Impact Analysis
   * *Outline the environment impact of your product at various stages of its life cycle (manufacture, normal use, disposal/recycling) – e.g., any product using rechargeable batteries represents a potential environmental hazard, any product with a printed circuit board requires hazardous chemicals in its manufacture and is not inherently biodegradable.*
   * *Discuss how you would address each of the environmental impact concerns outlined above (e.g., provide explicit means/process for reducing use of hazardous chemicals in manufacture, extending your product’s useful lifetime, recycling hazardous materials).*
2. Ethical Challenges
   * *Outline the ethical challenges your team would have to resolve in the process of bringing your design to market*
   * *Discuss how you would address each of the ethical challenges outlined above. (testing under a variety of operating conditions, placement of warning labels, providing cautions in user documentation, adding safety or anti-tampering mechanisms).*

3.0 Sources Cited

*Throughout this and other papers, use of the IEEE citation style should be used. Use of embedded hyperlinks for all web-based sources is required. A reference to the IEEE citation style format is provided* [*here*](http://www.ieee.org/documents/ieeecitationref.pdf)*.*