**SENIOR DESIGN**

**Project Plan Form**

**Project Team Members:**

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| **Name** | **Major** | **Signature** |
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**Project Title:**

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**Advisor(s):**

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| --- | --- | --- | --- |
| **Faculty Advisor** | **Affiliation** | **Signature** | **Date** |
|  |  |  |  |
| **Co-Advisors** | **Affiliation** | **Signature** | **Date** |
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**Project Description:**

**Summarize succinctly what your project is about and what the final product (deliverable) will be. You must provide realistic design specifications.**

**Project Constraints:**

**Your project must address multiple realistic constraints. Check at least four constraints that your project design will address.**

**Economic**  **Environmental**  **Sustainability**

**Manufacturability**  **Ethics**  **Health and Safety**

**Social**  **Political**  **Other,**

**Project Engineering Standards:**

**Your project must incorporate appropriate engineering standards. Identify any engineering standards that apply. (IEEE, EPA, ASME, ASCE, BMES, OSHA, IIE, etc.) The National Resource for Global Standards (NSSN) is a search engine for standards (**<http://www.nssn.org/>)**.**

**Project Deliverable(s):**

**Describe your plans for using engineering analysis (modeling and/or simulation) to support your design recommendation:**

**Measures for Design Evaluation: Quantify levels of achievement regarding 1) proper and safe function, 2) optimum performance, 3) adequate reliability, and 4) low cost. According to Dieter and Schmidt\* these are the four balancing goals of engineering design. (These measures should link directly to the project specifications provided with the project description.)**. \*Dieter and Schmidt, *Engineering Design*, 5th ed, McGraw-Hill, 2013