DREXEL UNIVERSITY

Senior Design

Electrical and Computer Engineering

Project Report
2015-2016

Team Number ECE -

<title of project>

Team Members

Name	Department	Email
<Leader>		

Team Advisor(s)

Name	Department/Company	Email

Group Leader's Signature   :   _____

Advisor's Signature   :   _____

Format

- Update 1). Team number, 2). Project title, 3). Team members, 4). Team advisor(s) on the title page.
- Single spaced, Times New Roman (Body - 12, Headings and sub-headings - 14), Justified. (Font size in pictures, system diagrams, charts, etc should also be bigger the size 11 and also be in Times New Roman)
- All equations must be numbered.
- Include page numbers at bottom right of the page.
- Include references where necessary. (References are to be in IEEE format)
- Submit as a **PDF to ece-sd-2015@drexel.edu and four stapled hard copies (two sided) to the box in ECE Office in front of Tanita's** Desk

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This report should be a technical report that contains all the pertinent information regarding your project and be a stand-alone document.

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The following details must be covered by your document:

1. Background regarding the problem field and need for a solution
2. Problem statement
3. Existing solutions to proposed problem, shortcoming of the existing solutions, and proposed solution.
4. Justification for the choice of particular solution methodology
5. Breakdown of the major technical steps carried out to implement the solution proposed (as in, design, fabrication, and testing of hardware parts or implementation of various segments of software)
6. System block diagram.
7. High level labeled circuit diagram for the projects that have electric or electronic components (including those that have simple implementations of an Arduino or Raspberry Pi).
8. Testing and validation results.
9. List all standards and regulations the project has to comply to and the various standards, met by your final implementation.
10. Societal impact of your project (cannot be none).
11. List (highlighting and differentiating), clearly the contributions made by the senior design group, the leveraged research.
12. Clear time line showing the dates for the start and completion for major segments of your project.
13. Industrial and out of pocket budgets involved in completing your project.
14. Acknowledge any funding source (organizations) that, has contributed to your project.
15. References
16. Student resumes (in appendix)
17. Quad chart (in appendix)

(Please check the rubrick for the technical report for the COE for tips regarding technical report)
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!!! All groups that are developing a product (physical or software) must submit a short stand alone <u>User Manual</u> that can enable someone to setup and use your product.