

## **CECS696: CECS Project**

You need to select a faculty member in CECS and agree on a project topic. You could initiate the topic or the faculty can suggest an idea as well. The faculty member will need to approve your project completion and I will need the following report.

### **Project Report Guidelines**

1. Title Page - Include Project Title, Date, Name, and “Customer(s)”
2. Table of Contents
3. Introduction/Executive Summary
4. System Description
  - a. Needs Assessment/ System Requirements  
(What problem are you trying to solve?)
  - b. Systems Specification (External design document)
  - c. System Diagrams - Detail all interfaces between the environment and the components
  - d. Hardware/Software Overview
  - e. Economical, technical and time and constraints
5. Detailed Implementation:
  - a. Hardware Detailed Implementation or requirement
  - b. Software Detailed Implementation or requirement
6. Test/Evaluation Experimental Procedure and Analysis of Results
7. Societal impact of project including legal and ethical considerations.
8. Any applicable standards that were considered or used.
9. Security and Privacy considerations
10. The contribution of your project to society and expected positive and/or negative effects.
11. Conclusions (Emphasize what is advanced over your undergraduate experience)

### **Appendices (As needed):**

- Customer Contact Information
- Data Sheets
- Additional Drawings and Diagrams
- Source Code (could be included in Electronic version if lengthy)
- Experimental and/or Simulation Test Results
- Software installation instructions
- User's Manuals
- Quotes, including ordering information
- White Papers

### **PRESENTATION**

- Submit PowerPoint or PDF copy of presentation.

### **Report Submission:**

- Electronic Copy in a single PDF file

**Note:** Some students and their faculty mentors may ask for an extension and in this case, they receive an “X” grade until project is completed.