

EE496B: Senior Design Project Proposal

Due Friday, 13 October

The proposal should contain a two to three page written description of the project as well as several pages of supporting material (block diagrams, mock-up illustrations, Gantt chart with milestones, budgetary information). An appropriate length for the complete proposal is between six and ten pages. The following is a general outline of items that should be included in your Senior Design Project proposal.

Introduction

- **Title Information:** Include the team name, the project title, the names of the students and sponsor of the project.
- **Abstract:** The Abstract should give a brief statement of the problem or objective of the project and a concise summary of the expected results. The Abstract should be no longer than 100 words.
- **Project Description:** Describe the project goals and intended functions. What exactly is the design to accomplish? In general, describe how will the design be realized?

Design

- **Block Diagram:** Prepare a block diagram illustrating the intended design. Each block should be as modular as possible. Describe the function of each block briefly, and explain its role in the overall design.
- **Mock-Up Illustrations:** Create illustrations showing the anticipated physical appearance and form factor of your project.
- **Performance Requirement:** Specify the performance requirements of the finished project based on the intended feature.

Testing and Verification

- **Testing Procedures:** Describe the testing procedures that will be used to verify the functionality and performance of your design.
- **Benchmarks:** Outline a benchmark that will be used to determine when the project is operating satisfactory.

Project Management

- **Project Plan:** Outline the resource requirements and how these resources will be allocated to complete the project.
- **Milestones:** Prepare a Gantt chart showing the major design tasks and specify when these tasks will be completed.

Budget

- **Cost Analysis:** Include a cost analysis of how you intend to spend the funds allocated to your project.

Promotional Flyer

- Create a flyer describing your project and introducing your design team.

Submission

- Proposal must be submitted both electronically (pdf or MS word) and in hardcopy.