

# Stuff We Need for Senior Final Project Reports (ECE 4820)

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## 1. Introduction

- What is the project?
- Who is the sponsor?
- Level of completion (proof of concept, prototype, working product)

## 2. Needs Analysis

- What is the need you are trying to fill?
- What exists now?
- How will this project fill the need?

## 3. User View of Completed Project

- Promised deliverables
  - box, instruction manual, training
  - enclosure
  - input/output mechanisms
  - fabrication
  - testing and verification
- Actual deliverables
- Explain any variances from promises

## 4. Final Design of System

- Top level user's view of project result
- Section for each component
- functional requirements
  - block diagram
  - circuit/logic diagram
- Interface between components

## 5. Testing and Verification

- Component testing
- System testing
- verification of system by user
- User sign-off

## 6. Project Management

- Project leader
- Team responsibilities
- Role of faculty and engineering consultants
- Statement of timely completion of project

## 7. Cost and Budget

## 8. Summary

- What is the Project?
- User's view of product
- Testing and verification
- Deliverables
- Statement of timely completion of project
- Suggestions for further work