

# Lecture 19: Prepare Your Final Report



Dr. Tsung-Wei Huang

Department of Electrical and Computer Engineering  
University of Utah, Salt Lake City, UT



# Final Report

---

- ❑ **Final Report due on 4/26**
- ❑ **Final Presentation Scheduled on 4/21 and 4/23**
  - ❑ Two weeks from now
  - ❑ Last day of class is 4/27 (Tuesday)
- ❑ **9 project teams and 3 thesis students**
  - ❑ Each team needs to turn in a final report
- ❑ **A template has been given:**
  - ❑ [https://github.com/tsung-wei-huang/cs3992/tree/main/final\\_report/template](https://github.com/tsung-wei-huang/cs3992/tree/main/final_report/template)

# What to Write?



## 1. Project name and team members

- ☐ Introduce your team members briefly

## 2. Project objective

- ☐ What are you trying to do?
- ☐ Why should people care?
- ☐ Where is your project website?

## 3. Challenges involved in the project

- ☐ What are software-level challenges?
- ☐ What are hardware-level challenges?
- ☐ Your methods to solve these challenges “IN DETAILS”!

## 4. Monetary items

- ☐ What are the items you plan to purchase?
- ☐ What are the total budgets for the project?

Organize all the items you have finished so far! Indeed, the final report is just an “paper version” of your project website with “**thorough**” technical details

# What to Write? (cont'd)



## 5. Execution plan in the next semester

- ☐ What are the job distribution?
  - Who is doing what work?
  - What are the expertise of each team member?
- ☐ How do you collaborate with each other?
- ☐ How do you keep track of the project progress?

## 6. Prototype you have achieved in this semester

- ☐ What is the prototype you have accomplished?
  - Can be pieces of software or hardware or research survey
- ☒ ~~Why is this prototype related to your proposed goal?~~
- ☒ ~~How will you extend the prototype to the final product?~~

# From My Perspective

---

- ❑ Your proposal is a contract between you and me



# Two Key Ingredients

---

## ☐ Introduction

- ☐ This is the first page you need to crave readers' attention
- ☐ Why is your project important?
- ☐ What are the challenges involved (brief)?

## ☐ Technical methods

- ☐ Propose your methods to overcome the challenges
- ☐ Your technical approaches should contain great details

# Seeing is Believing

---

## ☐ We have opened 10 breakout rooms

☐ Zoom: <https://utah.zoom.us/j/2468214418>

☐ 1-9 are assigned for each team

☐ Thesis track students are in room 10

## ☐ Each group works together to do the following:

☐ read the past “final proposal” in 2012:

- <https://my.eng.utah.edu/~cs3992/PreviousProjects.html>

☐ Select Your Favorite “Final Proposal” in 2012

- <https://docs.google.com/spreadsheets/d/1JfWZkEyoXdVLtHkiwOqk24G7WVhLWMCP113cSe9fgsQ/edit#gid=1312859287>
- Write down your reason why it is your favorite