

# Lecture 15: Evaluate Peer's Prototype

Dr. Tsung-Wei Huang

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



# Each Team has Talked About its Prototype

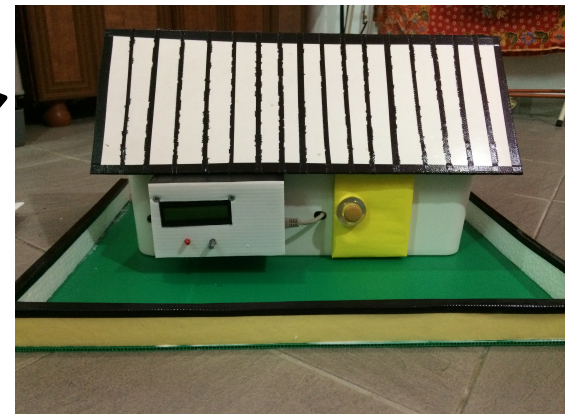
## ❑ What is a prototype?



Final Goal:  
A house

Prototype: a small type of work to demonstrate the feasibility of your proposed approach to the final goal.

**Key question: why should I believe in your proposed technical work?**



# Considering You Start Up a Company



Member(s) have a great  
idea



**prototype**

The idea is researched  
and refined with support



Project is submitted to  
Project Incubator



Membership Votes on the  
Project and provides  
feedback



Project is Executed



University of Utah's business startup center



NSF I-corp



# How Do I Know My Prototype is Good or Not?

---

- ☐ **In fact, there is no universal solution to judge it**
  - ☐ Otherwise, everyone can start up a company and make a lot of money
- ☐ **It depends on three parts**
  - ☐ Your project vision directs the prototype
  - ☐ Your technical capability dominates the prototype
  - ☐ Your budget (time + money) constrains the prototype
- ☐ **The most effective way is to talk to other people**
  - ☐ Do you think my prototype make sense?
  - ☐ Do you think my prototype paves a way to the goal?
  - ☐ Will you invest in my project after seeing the prototype?

# Again, It's All About Convincing Others

---

☐ Are you convinced to take the COVID vaccine?



# Project Prototype Discussion

---

- ☐ **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 work together to do the following:**

- ☐ Spend the first 20 mins to **refine** and **upload** your prototype idea from the last lecture

- <https://docs.google.com/spreadsheets/d/1JfWZkEyoXdVLtHkiwOqk24G7WVhLWMCP113cSe9fgsQ/edit#gid=946490439>) to your project website

- ☐ **Project Website v3 (due this Fri) MUST contain your prototype items you plan to finish and demonstrate at the end of semester**

# Project Prototype Discussion (cont'd)

---

- ❑ **Next 30 mins of today's lecture and Friday's lecture:**
  - ❑ Each group reviews all others' prototype
  - ❑ Discuss the following items as if you were an investor:
    - Is the prototype related to the project? (with comments)
    - Is the prototype convincing for you to invest? (with comments)
  - ❑ Post your comments at the issue post of each other project at here: <https://github.com/tsung-wei-huang/cs3992/issues>
  - ❑ Each group can provide a single collective comment but you must review all other projects