

## Current Technology or Peripheral Devices Presentation

The purpose of this presentation is to learn more about a particular type of hardware, and also to learn about different sources of information about hardware.

**Step 1: Sign up for a current tech on my web page.**

### Step 2: Access Information about your Device or Technology

Go to the UWP Library web page and select “Databases” subject area “computer science”. This is easier done on campus, unless you login.

Select two papers from a technical, scientific research database. You do not need to understand the full paper. If you can understand what the paper is about, and what the conclusion is, then you are successful.

- IEEE Explore database.
- ACM Digital Library.

Finally select two papers from a web site.

You will include each of these in your Reference area of the presentation (one extra last slide).

### Using References Correctly

In the Reference section, include references as follows (for a book, magazine, conference, respectively):

[Fried08] T. Friedman. *Hot, Flat, and Crowded*. Publisher-name. 2008. pages 95-106.

[YLu11] Y-H. Lu, Q. Qiu, A. R. Butt, K. W. Cameron. “End-to-End Energy Management”, *Computer Magazine*, Nov. 2011, pages 75-77.

[XLu11] X. Lu, T. Lu, M. Remes, M. Viljanen. “Energy Efficiency Assessment for Data Center in Finland: Case Study”, *2011 31<sup>st</sup> International Conf. on Distributed Computing Systems Workshops*, IEEE, 2011, pages 54-60.

Do not copy long sections from any source (more than a paragraph), but instead paraphrase. In paraphrasing you can summarize, or describe the gist of the section in your own words. **Any substantial cut-and-pastes from other sources and claiming the work as your own will result in a zero for the assignment.**

### Step 3: Prepare the Presentation

You will have 6-7 minutes to present.

#### Presentation Outline:

Use 7 slides (and one title slide) per person as follows:

1. **Introduction:** (1-2 slides) General overview of the technology: What your device is and what it does. This description is from a user perspective.
2. **Vocabulary:** (1 slide) Provide definitions for 3-5 words (per person) that you learned that you were unfamiliar with and that are not in the course's vocabulary list. Use those words in future parts of your presentation.
3. **Design:** (3-4 slides) How your device works from a \*hardware\* perspective, not a user perspective. You may copy a picture as long as you provide a reference for them. You may in addition briefly describe variations from your device: what slightly different products exist? How are they are different?
4. **Analysis:** (1 slide) What do \*you\* think of this topic? What design aspects are great, where would it be most useful, and what are the disadvantages of this technology?
5. **References:** (1 slide) List your references. You will not talk about this slide. It is just there.

### Presentation advice

Pictures often are *great* in presentations, because you can talk naturally to them. I expect you to have pictures as part of your grade. It is very easy to simply read off of a slide – this will earn a lower grade value.

If/where you do use text, use short bullets (fragment sentences), not full sentences. Then you will be able to read them quickly so you can talk to them smoothly.

Make your design background attractive, so you look like a professional. Also use font size 16 or larger for visibility. Be sure your text and background colors are very distinct from each other.

### Step 4: Turn your presentation in

Submit your presentation in the D2L dropbox.

### Step 5: Present a Summary of Your Topic

You will be grouped with others presenting in your area. You have 7 minutes per person. With 7 slides, you can spend 1 minute per slide. Practice in advance.