

Week 10

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Announcement

Upcoming Important Dates:

- Flyer and poster: submit to Moodle (in ppt), due **Friday**;
- Final poster: due **Nov. 28** (sent for print);
- Public Presentation: **Dec. 4 at 15h – 20h**;
- Final in-class Technical Presentation: **Dec. 11**;
- Final report submission due on **Dec. 18** by 15h15 (NO LATE SUBMISSION)

Equipment, parts, and tools

- Return on **Dec. 11** (Last in person class)
- Tackle box;
- Any equipment/tools/parts;
- Hand in Prototypes
- **Organize all the files related to the project, upload to the Onedrive**

- 70% Project (20 % Final Report, 20 % Final Presentation, and 30 % Working Prototype Demo)
- **Bonus (+10 on prototype): recycle at least 3 key parts (controller, motor, sensor, etc.) from previous projects (Highlight this during the presentation)**

Demo Day Grading Scales
Cohesive Scenario (10%)
Clear motivation and communication for the need of the product (10%)
Concept novelty (20%)
Maturity of the prototype (20%)
Application of novel technology (20%)
Poster (content and design) (10%)
Videos and other visual aids to communicate better the concept and working principle (10%)

Final Presentation Grading Scale
Organization (20%) Clear goal Clear engineering approach Clear solution selection Timing
Presentation (30%) Audible and confident presentation Cohesive and coherent slides Visually and content-wise illustrative slides Well-practiced talk
Technical Quality (40%) Clear engineering specifications and approach methods Good solution with clear justification Clear presentation of pros and cons of the suggested solutions Analytical and engineering approach to the solution Present and defend the design options during Q&A
Project Participation (10%) Active weekly TP participation Team effort Quality improvement over the semester

In preparation for the demo presentation

- **More people** than you expected;
- Audience from different background/age...;
- **Very limited time:** your presentation should be less than **3 mins**;
- **Divide the tasks by who presents which part**, NOT by who reads which page;
- Background videos/ slides/posters **do not** need you to explain;
- Demo presentation is **not a journal**;
- **Clean and tight** presentation;
- Be prepared for **unforeseen** circumstances;
- **Show rather than tell**;
- Use simple, everyday language;

Demo Presentation V.S. In-class Presentation

Demo Presentation

- **Audience:** General Public (all ages and backgrounds)
- **Duration :** 3 mins max;
- **Goal:** Show the value and impact of your device as fast as possible;

Few questions should be answered:

- What can the device do?
- Why I as an audience need this?
- Why your approach is different?

Show rather than tell;

Focus more on functionalities;

Use simple, everyday language;

Avoid technical terms;

In-class Presentation

- **Audience:** Peer Students and TAs
- **Duration:** 15mins
- **Goal:** Comprehensive demonstrations of your project;

Questions should be answered (but not limited to):

- Advantages over existing solutions?
- Performance metrics (speed/force/torque...) can your device achieve in order to accomplish the desired function?
- Prove it with data.

Comprehensive and Scientific Languages

Next Week

- 2nd Mock demo presentation;
- Poster ready for print;