Week 7

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By Last Week

- **Improve the functionality of the solution:**
  - pick a parameter in the engineering specification
  - Iterate design parameters (size of the pouch / spring length /
  - constant / link dimensions/ etc) to improve the functionality/
  - engineering specification
- Schematics for the working principles
- Flow chart for the **control strategy**
  - Sensor inputs: types + range
  - Actuation outputs: types + range
  - Sampling rate? Control rate?
  - Filtering?

By Next Week: Plan for Demo Day

- Demo scenario (fill out the file doc on moodle)
  - benchtop prototype?
  - proof of the working principle ?
  - See the format online

NO PDF, keep Doc format
No bullet points 1-2 full sentences!

- Full concept – detailed design
  - The final design with thorough dimensions (no blueprint necessary)
  - Dimensions may not need to be optimized yet but should be close (no drastic change to the main functionality / component selection)
- Confirm ASAP
  - Actuator and sensor choices – models
  - Test actuator and sensor loop

By Next Week: Info for Demo Day Brochure

- Fill up the doc file
  - Project Title
  - One paragraph intro <=150 word
- One rendering photo of your device, in png
- Group picture
  - Option 1: individual pics
  - Option 2: One group pic
- Upload to Onedrive shared later

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No bullet points 1-2 full sentences!

Starting Next Week

- Presentation format for the final presentations
  - No need to show all the aspects of your project, just address the latest updates
  - Update the requested ones from the last week

- November 21: check the formats and drafts for the Poster, presentation, and report