**Task**

You have been tasked with implementing your project. You will use elements of this project as evidence to guide the marker to what you have learned and at what level and to highlight/market your learning to non-technical third parties.

You should treat this assignment as Assignment Item 3 (Evidence Guide) and Assignment Item 4 (Innovation Showcase).

**Each must include the following at a minimum**

* Evidence of your project/work over the term
  + Design documentation
  + Design Notes
  + Code
  + Video evidence of your work in its most complete format.
* A series of short journals responding to different unit goals/descriptors/etc.
* An Evidence Guide (PowerPoint)
* Innovation Showcase Poster and Presentation (Poster + video(s))

# Tool of learning

The best learning happens when we stop and think about what we've done, what worked, what didn't, and what we would do next time.

With this in mind, the lion's share of marks will focus on what you've learned in the project process, with the project itself being the journey and not the destination.

## Submission Guide

#### Journal responses

The journal responses will be asking questions similar to the questions below. They are used to prepare to look at your work and produce your Evidence Guide and Innovation Showcases.

#### Evidence Guide and Innovation Showcase

The Evidence Guide and the Innovation Showcase rely on you responding to some questions. The questions are the same for both sections, but you will answer them differently. These questions will be heavily based on the goals and content of the unit. In this case, we are using the Unit Goals from Robotics and Mechatronics: Applied Robotics

1. What did you build, and how did you create it?
2. What parts of your initial design survived intact, and what surprises are there compared to your end product?
3. How did you improve your processes (such as design and implementation to work within an iterative design process? How is this different to previous methods?
4. What skills, tools, or processes did you develop to use or support you in developing your project? Was this different from previous experiences? Why/How?
5. What management strategies did you use to keep yourself, or put yourself back on, track? How/Why did this impact you?
6. What impact did reviewing peer design proposals have on your project? What would you take with you in the future, and what might you leave behind?

##### Evidence Guide

Evidence Guides are a personal response to the questions above. However, they focus on reporting to a technical expert (me) on what you've done this semester.

In this case, the Evidence Guide must be completed in a PowerPoint format (or similar analog). You must answer **four questions,** but **only two are mandatory**: "What did you build and how did you build it?" and "What of your initial design survived intact, and what surprises are there compared to your end product?". You may select which of the other two questions you want to respond to in a technical format. The remaining two questions must be answered in your showcase.

Each question can contain no more than three slides. On top of the style guide requirements (found below the rubric), you may include a short passage in the author's notes to extrapolate the idea further. However, each question can have no more than 250 words in total.

##### Innovation Showcase

Innovation Showcases are focused on informing people with a diverse understanding of technology. It must be helpful for someone in year ten coming to an open night but informative for your peers to understand the cool things you've done.

Unlike the evidence guide, you do not need to respond to all the questions above You must **answer four questions,** but **only two can be repeated**: "What did you build and how did you build it?" and "What of your initial design survived intact and what surprises are there compared to your end product?". The other two questions must be the remaining ones from the list above.

Innovation Showcases will consist of 1 or 2 connected posters based on the provided template. You are not required to design your own template and must align to the broad design template given to you.

Additionally, you must submit a series of short presentations focused on each question for a total of 6 minutes.