

## Task 8.2HD Project Teaching Case

### Hardware Required

Varies depending on your project

### Software Required

You would be creating a presentation. You can use any software/tool package you are comfortable with for your presentation in the class.

### Prerequisites and what you must do for this task

Your project must be at a close to completion stage so that the teaching case can provide a complete picture of the project. For this presentation, you must be able to demonstrate purpose of your project, show which devices and sensors you have used, and how they communicate/work together. You might need to show code snippets and walk through steps on how you have developed the project.

The objective in this task is to let your fellow classmates know how you have designed, and delivered the requirements of the projects. They must be able to at least understand what procedures and steps you have followed, and be able to follow your steps with some effort to develop a similar project.

There are two ways to do this task:

- 1) You can present at any lecture after week 8 or record a video and share the link (Youtube or DeakinAir) with us. Your teaching case should be around 20 minutes, and questions from students and unit team will be directed to you either live (if presenting in class) or via CloudDeakin discussion forums.
- 2) You can submit a how-to article on one of the below platforms and send the link to us. It should be clearly stated in the article (perhaps at the end) that it is part of assignment submitted to Deakin University, School of IT, Unit SIT210 - Embedded Systems Development. Please note that some of the platforms might need a leeway time to make your article available online.
  - a. <https://www.hackster.io/>
  - b. <https://www.instructables.com/>

### Assessment details:

To be assessed as a pass for this HD task, your presentation should be clear, and concise. You must clearly define the purpose of the project and why you are building it, equipment

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used, and any hardware/software requirements. The content presented should be enough to a degree so that other student are able to mimic and repeat what you have done. You will need to address questions directed to you by your lecturer or other classmates about the project after your presentation (on CloudDeakin).

## Task Submission Details

Q1: Share the link to your presentation or article here. Please make sure the link works by double checking your submission when uploaded to OnTrack.

Q2: Submit the link to CloudDeakin discussion forum “Project Teaching Case”, and provide a screenshot of your submission.

Q3: Provide a brief (one paragraph) reflection on your experience and whether you found it useful/helpful for your learning.

*Remember, anytime you submit a task to OnTrack, it is a good practice to check the status of any existing tasks, and the future tasks you are expected to complete. If you have got feedback on previous tasks, you may need to fix and resubmit some of your work. You want to check out why, so that you can learn from this and make it faster and easier to accomplish later work to the required standard.*