SIT107 - Software Engineering 1: Connecting The Cyber And Physical Worlds

Task 8.1C Team Project, Sprint 1: Pitch

Using your understanding of Cyber-Physical Systems Design, present a project idea in a brief presentation.

Your idea should solve a problem within the area of 'smart living'. Within smart living, you may select any category including, but not limited to, healthy living, aged care, caring for pets, exercise, travel, energy use and gardening.

Your project should be designed according to the 'Sense-Think-Act' paradigm and do the following:

- Use sensors to collect some data as relevant to the problem.
- Using collected data, to carry out an analysis.
- Visualise the collected data.
- Provide recommendations based on the analysis and/or automate actuation/s

Remember that you should be able to implement a proof-of-concept prototype at the end of the sprint. After the sprint, you can then continue to work on this idea for Sprint 2 in week 10 . Consider your skill level, what sensors are available to you (such as the sensors in the kit or if you have others) and the time you have.

Your pitch has to take at most 5 minutes (aim for 4 minutes), so your presentation must be very brief and concise.

There are two goals you must achieve using your pitch.
1. Clearly communicate your project concept in terms of Sense-Think-Act. The audience should get a clear idea of what problem you are trying to solve, what data will be sensed, how that data will be used, and what decisions will be actioned using the analysed data.
2. Show your enthusiasm and generate excitement among the audience.

Note:

- The 5 minutes is a hard limit, you must stop when the time is over.

- Groups must be 2- 4 people. Group formation should be based on mutual selection.

Hardware Required

None

Software Required

Any software of your choice to create slides for the pitch. For example, Microsoft Powerpoint, Google Slides or Keynote.

Task Submission Details

Your submission is to present the pitch. Submit your slides as pdf to OnTrack.