

FS2020 Virtual Engineering Design event
Presentation Guidance Notes

For the avoidance of any and all doubt:

We are expressly NOT asking you to physically group together nor to access your workshop or university buildings, alone or otherwise. The whole point of this virtual approach is to provide educational feedback on your engineering design process and assumes that you are all working alone in self isolation and only able to access information remotely.

1. You are required to supply 5 separate short presentations, one for each of the Score Sheet categories A to E. See Virtual Engineering Design Score Sheet here, <https://www.imeche.org/events/formula-student/team-information/forms-and-documents>
2. The presentations must be one of the following file type formats; Microsoft Powerpoint presentation (.pptx), Microsoft Powerpoint show (.ppsx) or MP4 video files of maximum 10 minutes duration.
3. As camera and presenting skills vary and the Score Sheet does not consider these skills, we strongly suggest that you consider PowerPoint slides with audio voice recording, or short relevant video clips/screenshots with audio voice-over etc.
4. In addition, you are optionally able to upload 5 separate supporting documents to accompany the 5 presentations (one per Score Sheet category) in pdf format. These can be referenced within the presentation). Each of the supporting documents are limited to no more than 5 pages A4 and a maximum file size of 5Mb.
5. In every presentation or supporting document, the first slide/frames/paragraphs must identify the University name, power source type, presentation subject/event and your car/team number selected at registration for the main competition.
6. It is unwise to include screenshots in your presentation which are duplicated in the optional supporting documents. We suggest keeping the detail in the supporting document (think of these as reference materials) and using the presentation to highlight your design process and engineering understanding.
7. Remember: these presentations are to **compliment** your Design Report and Design Spec Sheet. We accept it is not as "real" as the traditional event but we want this to still have value.
 - a. We need a very brief description of WHAT you are doing/have done. At the traditional event we can easily SEE what you did: this year you need to concisely tell or show us but KEEP IT SHORT. We already have the detail in your Design Spec Sheet.
 - b. We need a more detailed walk through of the HOW and the WHY of your engineering design process and ultimate choices.
 - c. Therefore, all existing advice from over the years as to how to write your Design Report applies even more to this longer and more detailed presentation.
8. We want to see that a logical process has been followed that result in your chosen solutions.

- a. In brief, set specific performance targets (like accel time, economy), research and benchmark to define matching physical attributes (like mass, power, CoG height) and then use these to evaluate all options available (e.g. powertrain choice, structure required, tyre choice) and then describe your final solution (including why and how, not just what).
9. Conclude your presentation with a short summary of whether you have met your design objectives. If not please explain honestly why not. We appreciate that at this stage, due to lockdown restrictions you may not be able to do this for the complete vehicle. However, we need to know what you have learnt so far.
10. Before submitting your presentation, ask a colleague/friend (remotely) to watch it and provide some feedback.
11. Make sure to submit it on time, understanding that the internet is not instant and that others may be slowing the system down with their uploads. The system will not accept uploads after the time stated and **17:00 UTC, 30 June** is a hard deadline: **Don't leave it to the last minute.**

Neill Anderson

Head Design Judge

Formula Student