## Reflection

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## Appendix — Reflection

The information in this section will be used to evaluate the team members on the graduate attribute of Reflection. Please answer the following question:

• In what ways was the Verification and Validation (VnV) Plan different from the activities that were actually conducted for VnV? If there were differences, what changes required the modification in the plan? Why did these changes occur? Would you be able to anticipate these changes in future projects? If there weren't any differences, how was your team able to clearly predict a feasible amount of effort and the right tasks needed to build the evidence that demonstrates the required quality? (It is expected that most teams will have had to deviate from their original VnV Plan.) During the development of this IFDS system, I have changed a lot compared with the original plan. There are several aspects I haven't antipated before those problems happened.

## • Feedback

- Firstly, due to the linkage problem of Qt platform, I have to move to visual studio to continue the development of IFDS, which limited this IFDS to be distributed only on Windows System. So, for the VnV part, the Qt test cannot be executed as planned.
- Secondly, due to the configuration of the system and the time limitation, I only exported the corresponding feature points image to user's device. So, it can only be verified visually. Even to the Matlab part, it would not be so exactly correct. But for the purpose of this system, it is only designed to have a visual judge on the those feature points. it doesn't make so much difference with this part. For example, if we see many BRISK feature points around some section, that means it can be used for further 3D construction or 2d stitching. but, if there are few points in that section, that means this image is not so qualified to be used for 3d construction or 2d stitching. To some extent, we can say this system indeed worked for its design purpose.
- Through this development of IFDS, I have learned a lot. If there was a development work like this in future, I think I can forecast more with this experience.