05 October 2022
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EPR402 Project Progress Meeting #11
Project Lab 1

- Discussed current implementation progress as well as progress on report – literature review has been nearly completed and section headings scaffolded out
- The design section should contain intermediate results to show progress and design changes/improvements throughout the semester such as the hand coordinate delta figure
- The design and implementation section should not have a huge focus on figures of things that didn't work, but rather more discussion about alternatives explored and results achieved there
- The Results section must contain results related to your specs and how you achieve them
- Mr. Grobler will review code and check quality/modularity in repo come exam time – improve folder structure and make clear what the final demonstration relies upon in terms of code
- More research needs to be done on surface detection – place it in literature review and explore what others have done
- Also investigate general structures created from depth data in the literature as well as plane reconstruction
- Companies like Apple utilize AR already – investigate how industry-grade applications perform surface reconstruction
- Investigate blob detection for surface reconstruction in literature review
- Report should focus on first-principles implementation algorithms – new work and the core of project.
- Detail in design and implementation section should work from core outwards of project – the integration of the pipeline explained more in detail than backpropagation mathematics
- Include TensorFlow as well as first-principles results in Results section – gives context to performance of system VS industry
- Report must show progression and engineering thinking throughout year – what worked, was slow and what improved/designed – show engineering processes