Mlas

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EPR402 Project Progress Meeting #1
Eng 1 13-17

- Start using lab book immediately
- Document progress + challenges for report in lab book
- 6 months down the line won't remember challenges
- Sections 1+2 = Nature of problem/ how well solution will solve problem and quantify it
- Discussed embedded processor as opposed to microcontroller
- Worried about if even an embedded system can cope with 2 webcam streams + processing
- Literature review for feasibility, perspective and constraints must really build prototype fast to estimate feasibility
- Performance characteristics important for later sections of proposal
- Objects placed must interact with reality of input hand gestures must manipulate object in AR – Mr. Grobler and I on the same page with requirements
- Image recognition of reality can be depth/surface based + implementing systems like gravity as a stretch goal/additional requirement
- Generating graphics from first principles or using a library depends on relative complexity of rest of project – complete proposal specs to determine this
- Big block in hierarchical block diagram nested components number them and reference the numbers in functional description and explain why they are there and important
- In specifications: Each block relates to a numbered building block from block diagram
- Feature extraction as an example feature/requirement
- Discussed libraries for opening video/caching VS core algorithms from first principles
- Prototype important to see if certain things are possible and can be implemented
- Effective complexity + load changes whether to use libraries
- Need to move fast so iterative proposal can be approved
- Send pdf of minutes to Mr. Grobler
- Focus should be getting it working in realtime REAL TIME performance is most important in Mr. Grobler's perspective

- Rather spec the proposal correctly but conservatively cube as base virtual object and dynamic car as stretch goal
- Additional features later after satisfying initial requirements and achieving 50%.