

Senior Design Meeting

Minutes - 9/19/22

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- Roger - pulled up bible of contents document
- Will A - how much detail for the GUI?
- Roger - a lot
- Will A - doesn't that go into user's manual
- AMR - yes, a lot of things will go into the user's manual as it grows
- Joe + Will A - they are going to subdivide things further
- Will O - what solar panels we decide will affect this
- Borris - we need to find an average 12V battery set of numbers for runtime comparison
- AMR - going to expand on user's manual
- Will A - going to add a lot to what the dashboard is going to look like
- Borris - no one needs to learn HTML for this project
- Henry - needs to put a BOM together - preliminary
- Roger - how do we anticipate the frame, solar panels etc. coming apart
- AMR - battery is heavy, whats going with it in one component
- things need to be going on the BOM

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- Roger - he's going to hold us to the final design doc
- Borris - we can order some things earlier than November
- Zheping - how small should the touchscreen be?
- Borris - search span from to final options
- Roger - maybe about phone sized
- Borris - we need a wagon type thing
 - tool box with wheels on the end and a handle like a camp trunk
- Borris - motors on top
 - sensors listed currently on diagram
- AMR - segmenting data has to do with when you're collecting data
- Tim - talk about testing plans
 - lots of details in the document
- AMR - what are we thinking for stress test?
- Borris - leave it running and see what happens?
- Zheping - CSV file for data
- Chito - Data processing - being able to look at data online

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-Borris - we could have a lot of version control errors with ESPs

-we should probably stick with Arduinos

-Chiko - ESP would work with Arduinos

-Borris - supply chain issues - alternatives listed

-need to choose one kit/solar panel

-Roger - timeline for document formatting

-Borris - there are two good sensor suit options

- some arduinos chosen with backups for supply chain issues

-Roger - showing the preliminary design documents

- finalizing tomorrow during lab

-Wey - how are the groups made up

-Borris mentioned testing certain products,

we want to avoid any possible on shift moments

-meeting w/ the groups tomorrow