Christian Ogburn

CS 491 Engineering Notebook

Team Members:  
Clay Edwards (CE)  
Jared O’Shea (JO)  
Jusefs Saade (JS)  
Jordan West (JW)  
Ian Wolfe (IW)

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| **Date** | **Work Completed** |
| 1/16/24 | * Discussed Product Vision and Backlog with team members * Revised Product Vision to include contingency in which we do not receive the hardware we requested * Awaiting department approval for positioner |
| 1/18/24 | * Reviewed semester and project scope with Dr. Akbas and Dr. Yang * I received an updated quote for the positioner to include shipping costs and fees, still awaiting department approval |
| 1/23/24 | * Established biweekly meetings with Dr. Rojas on Wednesdays 10:30am * Researched free-use satellite tracking software compatible with pending positioner as well as existing hardware |
| 1/24/24 | * Dr. Rojas out of state, no meeting. |
| 1/25/24 | * Continued to research and install free-use tracking software * Reviewed next steps with Dr. Akbas |
| 1/30/24 | * Graduate student and WiDE Lab Member, JT O’Keefe, is assigned as our new main point of contact. * Discussed RF Block design with JT including filter, combiner, and amplifier. * JS and I will be working independently on RF Block design and will reconvene to discuss results |
| 2/1/24 | * Assigned specific tasks to team members based on discussions with JT. |
| 2/6/24 | * Brought some existing equipment from the Micaplex with JT’s project * Decided on a coupled line bandpass filter design, began drafting prototype |
| 2/8/24 | * Sprint 1 Demo * We learned that we will not be receiving any new equipment this semester |
| 2/13/24 | * Adjusted SDD Product Scope and document formatting * Added and refined Sprint 2 and some Sprint 3 backlog items on Trello with JO |
| 2/15/24 | * Brought the rest of equipment back to the LB lab including positioner, Pluto SDR, motor control box, cables, mounting rack, other misc. items * Discussed RF design choices and advice with JT |