Proposal Ghant Chart

Task	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16
Idea Planning and Brainstorming																
Abstract																
Website Set Up																
Begin Resaerching Parts																
Proposal Presentation																
Create a CAD Model																
Design Flow Chart/Block Diagram																
Start Basic CV/Tracking Code																
Design Review Presentation																
Finalize List of Materials																
Design Review Report																
Assemble Rotating Base																
Begin connecting RPI and Camera for CV																
Program Motor Drivers																
Finalize CV Code/Basic Targeting Algorithm																
Integrate All Subsystems																
Rotation and Targeting Tests																
Ball Firing Tests and Tweaks																
Slack																
Interim Demo																
Flesh Out Targeting Algorithm																
Optimize Motor Controls																
Begin Drafting Final Report																
Stress Test Launching																
Finish Final Report																
Final Testing/Tweaks																
Slack																
Final Demo																

Legend: Planning/Design | Software | Hardware | Testing | Reporting | Presentations/Demos

Design Report Ghant Chart

Task	Week 6	Week 7	Week 8 (Fall Break)	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16
Design Presentation											
Design Report											
Finalize Materials/Order Parts											
Assemble Rotating Base											
Raspberry Pi Setup											
Computer Vision Setup											
Motor Setup											
Integrate All Subsystems											
Interim Testing/Debugging											
Interim Demo											
Flesh Out Targeting Algorithm											
Optimize Motor Controls											
Final Testing/Tweaking											
Slack											
Final Report/Presentation											

Legend: Planning | Software | Hardware | Testing | Reporting | Presentations/Demos

Interim Demo Ghant Chart

Task	Week 12	Week 13	Week 14	Week 15	Week 16
Interim Demo					
Finalize CV Pose/Targeting Detection					
Flesh Out Speed Algorithm					
Assemble Rotating Base					
Ball Firing Tests and Tweaks					
Optimize Motor Speed Control					
Integrate All Subsystems					
Stress Test Launching					
Final Testing/Tweaking					
Begin Drafting Final Report					
Final Report					
Final Presentation					

Legend: Software | Hardware | Testing | Reporting | Presentations/Demos