DOR-15
Final Design Project Proposal

GROUP 1

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Summary

Our drone design is based of the robot DOR-15, affectionately named DORIS in the 2007 movie, *Disney's Meet the Robinsons*. DORIS, is a futuristic hat controlled via artificial intelligence that can do many things but inevitably enslaves the human race for its own nefarious duties. Our drone takes inspiration in DORIS' form factor and will be also hat shaped. This makes it fun for children on the holiday season, similar to that of a top hat or propeller hat. Each team member is confident that our project will be completed in time as we divide and collaborate on each task evenly. In the rest of this report, you will find our estimated timeline as well as assigned roles and duties per team member.

1 Project Schedule

1.1 Timeline Status Report

In this project, we will be compiling and utilizing all of our gathered knowledge on part making and use of Solid works to design and assemble a drone which in our case will be DOR-15 or otherwise known as DORIS. This project is set up so that as a team we can help add to the design and complexity via basing it off of our concept sketch. Using solid works we will then create a part, detailed drawing and then finally assemble. To top off this project, we will be writing a report as well as filming a 5 minute video about the process and the part itself.

1.2 Upcoming Tasks and Milestones

In this project, we will be compiling and utilizing all of our gathered knowledge on part making and use of Solid works to design and assemble a drone which in our case will be DOR-15 or otherwise known as DORIS. This project is set up so that as a team we can help add to the design

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Task Name	Start	End	Duration	Status	Dependent Tasks	Assigned
Concept Sketch	10/30/24	10/30/24	00:02:00	Complete	N/A	Grant/Huy
Components Design	11/07/24	11/21/24	14:00:00	In Progress	Begin	All Members
Assembly	11/21/24	11/28/24	07:00:00	Pending	Pending	Grant/Huy/Devin
Detailed Drawings	11/07/24	11/21/24	14:00:00	Pending	Pending	All Members
Assembly Drawings	11/21/24	11/28/24	07:00:00	Pending	Pending	Grant/Huy/Devin
Motion Analysis	12/05/24	12/5/24	00:05:00	Pending	Pending	Grant
Report	11/07/24	12/05/24	14:00:00	In Progress	Create Report	All Members
Video	12/05/24	12/05/24	00:05:00	Pending	Draft Parts	Devin

Table 1: Project Schedule as of 2024-11-19

1.3 Action Items

1.4 Project Risks, issues, etc.