Execution Plan for Autonomous Lawnmower

Pink: Presentation Week

Task	1/19/2021	1/26/2021	2/2/2021	2/9/2021	2/16/2021	2/23/2021	3/2/2021	3/9/2021	3/16/2021	3/23/2021	3/30/2021	4/6/2021	4/13/2021	4/20/2021	4/27/2021
Entire system	Blue	Blue	Blue	Blue	DarkRed	Blue	Blue	Orange	Orange	Orange	Green	Green	Green		
Final Presentation					DarkRed							Yellow			
Final Demo					DarkRed								Yellow	Yellow	
Final Report					DarkRed									Yellow	Yellow
Obstacle detection construction	Blue	Blue	Blue	Blue	DarkRed	Blue	Blue								
Obstacle detection validated					DarkRed	Blue	Blue								
Obstacle detection & GPS MCU validation					DarkRed										
Obstacle detection & GPS MCU integration					DarkRed			Orange	Orange	Orange					
Power Supply Testing and Validation	Blue	Blue			DarkRed										
Lawnmower Shell Deconstruction			Blue		DarkRed										
Lawnmower Shell Cleaning				Blue	DarkRed										
Docking Station Data Collection				Blue	DarkRed	Blue									
Docking Station Assembly					DarkRed	Blue									
Docking Station Testing					DarkRed	Blue									
Docking Station and Power Supply Integration					DarkRed		Orange	Orange							
Docking Station and Power Supply Testing					DarkRed			Orange							
Docking Station/Power Supply System Integration					DarkRed				Orange	Orange					
User Interface Bug Fixing	Blue	Blue	Blue		DarkRed										
User Interface Integration, Validation				Blue	DarkRed	Blue	Orange	Orange	Orange	Orange					
ESP32 MC Setup, Integration, & Validation					DarkRed		Blue	Orange	Orange	Orange					
Navigation subsystem design and testing	Blue	Blue	Blue		DarkRed	Blue									
Navigation subsystem integration					DarkRed		Blue	Orange	Orange	Orange					
Motors subsystem integration					DarkRed		Blue	Orange	Orange	Orange					

2/16/2021 column note: Snow storm and power outages. Limited/No ablity to work on project

COLOR LEGEND
- **Blue** — Subsystem Construction and Testing
- **Orange** — Integration
- **Green** — System Validation
- **Yellow** — Presentations/Reports