Gantt Chart

TASK	PROGRESS	START	DAYS	END
Setup				
Initial assembly	0%	1/25/21	1	1/25/21
Configure lab	0%	1/26/21	1	1/26/21
Github setup	0%	1/25/21	1	1/25/21
Initial website setup	0%	1/25/21	2	1/26/21
Demo 1 Preparation	0%	1/25/21	3	1/27/21
Webots simulation setup	0%	1/26/21	2	1/27/21
Robot control API	0%	1/28/21	2	1/29/21
CAD Familiarisation	0%	1/25/21	5	1/29/21
Demo 1 Video	0%	1/28/21	2	1/29/21
Demo 1 Report	0%	1/28/21	2	1/29/21
Integration test	0%	1/29/21	1	1/29/21
Resource Management				
"Base" Pathfinding	0%	2/1/21	1	2/1/21
Resource API	0%	2/1/21	2	2/2/21
IoT System	0%	2/1/21	2	2/2/21
Website full content	0%	2/1/21	3	2/3/21
Return algorithm	0%	2/3/21	1	2/3/21
Integration test 2	0%	2/4/21	1	2/4/21
Website CSS	0%	2/8/21	5	2/12/21
Obstacle Avoidance				
Proximity Detection	0%	1/28/21	1	1/28/21
Static obstacle algorithm design	0%	2/1/21	2	2/2/21
Static obstacle algorithm test	0%	2/3/21	1	2/3/21
Static obstacle algorithm adjustments	0%	2/4/21	2	2/5/21
Fit speakers	0%	2/8/21	1	2/8/21
Integrate microphone	0%	2/8/21	1	2/8/21
Mobile obstacle detection algorithm	0%	2/8/21	2	2/9/21
Mobile obstacle detection test	0%	2/10/21	1	2/10/21
Emergency halt procedure	0%	2/8/21	4	2/11/21
Mobile obstacle detection adjustments	0%	2/11/21	2	2/12/21
Integration test 3	0%	2/12/21	1	2/12/21
Disinfecting				
Door handle recognition design	0%	2/8/21	3	2/10/21
Door handle recognition test	0%	2/11/21	1	2/11/21
Door handle localization	0%	2/11/21	2	2/12/21
Door handle recognition adjustments	0%	2/15/21	2	2/16/21
Sanitization coverage algorithm	0%	2/15/21	5	2/19/21
Spray design	0%	2/8/21	3	2/10/21
Spray simulation	0%	2/11/21	1	2/11/21
Spray print	0%	2/12/21	1	2/12/21
Safe-spray test	0%	2/12/21	1	2/12/21
Spray test	0%	2/15/21	1	2/15/21
Liquid level IoT	0%	2/15/21	2	2/16/21
Integration test 4	0%	2/22/21	1	2/22/21
Demo 2 report	0%	2/22/21	5	2/26/21
Demo 2 preparation	0%	2/24/21	3	2/26/21
Demo 2 video	0%	2/25/21	2	2/26/21
Door opening				
Door handle rotation axis detection	0%	1/25/21	2	1/26/21
Gripper design	0%	2/1/21	3	2/3/21
Gripper print	0%	2/4/21	1	2/4/21
Push-door opening algorithm	0%	2/22/21	5	2/26/21
Integration test 5	0%	3/1/21	1	3/1/21
Pull-door opening algorithm	0%	3/1/21	5	3/5/21
Demo 3 report	0%	3/8/21	5	3/12/21
Demo 3 preparation	0%	3/10/21	3	3/12/21
Demo 3 video	0%	3/11/21	2	3/12/21
User interface				
Setup app communication channel	0%	3/8/21	3	3/10/21
Design hardware UI	0%	3/8/21	3	3/10/21
Design Android app	0%	3/8/21	4	3/11/21
Integrate hardware UI	0%	3/14/21	3	3/16/21
Build android app	0%	3/14/21	5	3/18/21
User Guide draft	0%	3/15/21	5	3/19/21
Integration test 6	0%	3/19/21	1	3/19/21
User Guide final version	0%	3/22/21	5	3/26/21
Demo 4 report	0%	3/22/21	5	3/26/21
Demo 4 preparation	0%	3/24/21	3	3/26/21
Demo 4 video	0%	3/25/21	2	3/26/21
Integration				
Final integration test 1	0%	3/22/21	2	3/23/21
Final adjustments 1	0%	3/22/21	2	3/23/21
Final testing	0%	3/24/21	2	3/25/21
Individual report preparation	0%	3/22/21	5	3/26/21