## **Gantt Chart Plan**

Project Milestones DATE 1/21/20

					Project Plan				First Demo / Report					Second Demo / Report									Third Dem			no / Report			Final Demo F			Report / User guide / Demo			onstration		
					13 Jan		20 Jan		27 Jan		3 Feb		10 Feb			17 Feb			24 Feb		2 Mar			9 Mar			16 Mar					30 Mar					
WBS NUMBER	TASK TITLE	START DATE	END DATE	DURATION	WEEK 1		WEEK 2								EK 5		Week 6			WEE			WEEK			WEEK 9		w	EEK 10		WE	EK 11		WEEK	12		
					M T W R	F M	T W R	F M	T W	R F	МТ	W R	F	M T	W R	F M	T V	W R	F M	T W	R	F M	T W	R F	М 1	W	R F	м т	W R	F N	1 T	W R	F M	T W	/ R F		
	1 Submit Project Plan																																				
1.1	Group Meetings	Mon, Jan 13	Fri, Jan 24	10 days																																	
1.2	High Level Description	Mon, Jan 20	Fri, Jan 24	3 days																																	
1.3	Milestones	Mon, Jan 20		3 days																																	
1.4	Gantt Chart, etc	Mon, Jan 20	Fri, Jan 24	3 days																																	
2	First Demo / Report								_																												
2.1	Group Meetings	Mon, Jan 27		3 days																																	
2.2	Submit Demo Report	Mon, Jan 27		6 days																																	
2.3.1	Mapping (Build environment)  Mapping (Setup SLAM)	Mon, Jan 27 Mon, Jan 27		8 days 8 days																-	-														-		
2.4	Lifting design	Mon, Jan 27		8 days																					-												
2.5	Basic SSH into raspberry pi	Mon, Jan 27		8 days																																	
3	Second Demo / Report			, .																																	
3.1	Group Meetings	Mon, Feb 10	Mon, Feb 24	13 days																																	
3.2	Submit Demo Report	Mon, Feb 10																																			
3.3	Saving Locations on map and navigation	Mon, Feb 10	Wed, Feb 26	15 days																																	
3.4	Cubby implementation	Mon, Feb 10	Wed, Feb 26	15 days																																	
3.5	App communication	Mon, Feb 10																																			
3.6	Start on voice control	Mon, Feb 10	Wed, Feb 26	15 days																																	
4	Third Demo / Report																			_	_																
4.1	Group Meetings	Mon, Mar 2	Mon, Mar 9	6 days																																	
4.2	Submit Demo Report	Mon, Mar 2	Mon, Mar 9	6 days																																	
4.3	Insert trays into cubbies	Mon, Mar 2	Wed, Mar 11	8 days																																	
4.4	Further App functionality (specifics?)	Mon, Mar 2	Wed, Mar 11	8 days																																	
4.5	Voice activation	Mon, Mar 2	Wed, Mar 11	8 days																																	
5	Final Report and User Guide																																				
5.1	Group Meetings	Wed, Mar 11	Mon, Mar 30	18 days																																	
5.2	Submit Demo Report / User Guide	Wed, Mar 11	Mon, Mar 30	18 days																																	
5.3	Remapping for new obstacles	Wed, Mar 11	Wed, Apr 1	20 days																																	
5.4	Image recognition	Wed, Mar 11	Wed, Apr 1	20 days																																	
6	Final Demonstration																												······			<u>-</u>					
6.1	Group Meetings	Wed, Mar 11	Wed, Apr 1	20 days																																	
6.1	Polish Robot	Wed, Mar 11		20 days																																	
6.2	Polish UI	Wed, Mar 11	Wed, Apr 1	20 days																																	
6.3	Fully integrate multiple destinations and tray management	Wed, Mar 11		20 days																																	
7	Trade fair with Industry Gues	sts																																			
7.1	Group Meetings	Wed, Apr 1	Fri. Apr 3	1 days																																	
	oroup meetings	rea, April	, Apr 3	i uuys																																	