EZ-Cart

smartsheet

PROJECT TITLE	Create an automated grocery robot	COMPANY NAME	Daniel Ryaboshapka, Rebecca Shen, Stephanie Bentley, Moises A, Taylor Korte

TASK ID	TASK TITLE	TASK OWNER	START DATE	DUE DATE	DURATION	% OF TASK COMPLETE
1	**Discovery**					
1.1	Research		9/27/2021	10/3/2021		100%
1.1.1	Materials Research	Taylor	9/27/2021	10/3/2021		100%
1.1.2	Hardware Research	Rebecca	9/27/2021	10/3/2021		100%
1.1.3	Software Research	Dan, Stephanie	9/27/2021	10/3/2021		100%
1.2	Benchmark		9/27/2021	10/3/2021		100%
1.2.1	Research Existing Solutions	Moises	9/27/2021	10/3/2021		100%
1.2.2	Research Problems	Stephanie	9/27/2021	10/3/2021		100%
1.2.3	Research Competition	Dan	9/27/2021	10/3/2021		100%
2	**Planning**					
2.1	Meet with Bray Staff	Team	10/10/2021	10/13/2021		100%
2.2	Create Gantt Chart and Tasks	Team	9/27/2021	10/3/2021		100%
2.3	Bill of Materials		10/3/2021	11/3/2021		100%
2.4	Data Collection		12/1/2021	12/1/2021		100%
3	**Definition**					
3.1	Ted Talk 1	Team	9/26/2021	9/29/2021	3	100%
3.2.1	Finalize Customer Needs	Team	9/26/2021	9/26/2021		100%
3.2.2	Requirements		9/27/2021	9/27/2021		100%
3.3	Define Project Scope		9/27/2021	9/27/2021		100%
4	**Concept Generation**					
4.1	General Brainstorming		10/3/2021	10/4/2021		100%
4.2	Set-Based Concept Generation		10/4/2021	10/18/2021		100%
4.3	Concept Pair Down and Selection		10/18/2021	10/25/2021		100%
4.4	Individually Create CAD Drawings		10/6/2021	10/22/2021		100%
4.5	CAD Review		10/22/2021	10/24/2021		100%
4.6	Present CAD Drawings		10/25/2021	10/25/2021		100%
4.7	Ted Talk 2 - Final Concept		11/3/2021	11/3/2021		100%
5	**Development**					
5.1	CAD Simulation		10/22/2021	10/24/2021		100%
5.2	Order Materials		10/25/2021	11/3/2021		100%
5.3	Software Implementation		11/3/2021	12/5/2021		100%
5.4	Software/Hardware Integration		11/20/2021	12/5/2021		100%
5.5	Part Fabrication		11/20/2021	12/5/2021		100%
5.6	Assembly		11/22/2021	12/5/2021		100%
5.7	Product Demo			12/6/2021		100%
5.8	Reflection with Sponsor			12/13/2021		100%
6	**Support**					
6.1	Documentation - Portfolio			12/23/2021		100%
6.2	Update Github		9/26/2021	12/23/2021		100%
6.3	Update Gantt Chart		9/26/2021	12/23/2021		100%
6.4	Product Demo Presentation			12/6/2021		100%
6.5	Update Action List		9/26/2021	12/23/2021		100%

Timeline columns:

PHASE ONE				PHASE TWO			PHASE THREE			PHASE FOUR		
Sep 27 - Oct 1	Oct 4 - Oct 8	Oct 11 - Oct 15		Oct 18 - Oct 22	Oct 25 - Oct 29	Nov 1 - Nov 5	Nov 8 - Nov 12	Nov 15 - Nov 19	Nov 22 - Nov 26	Nov 29 - Dec 3	Dec 6 - Dec 10	Dec 13 - Dec 17