

Milestone Number	Name	Milestones & Breakdown	Assigned to
1	Work Breakdown Structure	1.1 Table Formation	John Flourney
		1.2 Write in Tasks and Packets	Angelo Mainolfi
		1.3 Grammar Check	Carey Tarkinson
		1.4 Rubric/Quality Check	Mathew Crespo
		1.5 File Submission	Angelo Mainolfi
		2	Ideation Pre-Reqs
		2.2 Interview with Work Methods	Angelo Mainolfi
		2.3 Information from Linemen	Angelo Mainolfi
		2.4 Acquire Videos of Inspections	Angelo Mainolfi
		2.5 Information from Work Methods	Angelo Mainolfi
		2.6 Make Presentation on Findings	Angelo Mainolfi
		2.7 Present Presentation to Dr. Clark	John Flourney
3	Sponsor Meet and Greet	3.1 SD CC'd Instructor on E-Mail	Carey Tarkinson
		3.2 Meeting Minutes	Angelo Mainolfi
		3.2 Attendance of Meeting	Angelo Mainolfi
		3.3 Date of Meeting	Angelo Mainolfi
		3.4 Action Items	Carey Tarkinson
		3.5 Submit the Evidence	Angelo Mainolfi
4	Project Scope	4.1 Project Description	Angelo Mainolfi
		4.2 Key Goals	Carey Tarkinson
		4.3 Market	Carey Tarkinson
		4.4 Assumptions	Mathew Crespo
		4.5 Stakeholders	Mathew Crespo
		4.6 Grammar	Carey Tarkinson
		4.7 Communication	John Flourney

		4.8 File Name		John Flournoy
		4.9 Extra Effort		John Flournoy
		4.10 Submit Assignment		Angelo Mainolfi
5	Ideation			
		5.1 Generate Sensor Ideas		Angelo Mainolfi
		5.2 Generate Robot Ideas		Carey Tarkinson
		5.3 Generate Idea of Movement		Carey Tarkinson
		5.4 Submit Idea to Sponsor/Advisor		Angelo Mainolfi
6	Customer Needs			
		6.1 Customer Statements		John Flournoy
		6.2 Interpreted Need		Carey Tarkinson
		6.3 Statements		Mathew Crespo
			6.3.1 The "What" Not "How"	John Flournoy
		6.4 Specificity		Angelo Mainolfi
		6.5 Positive Not Negative		Carey Tarkinson
		6.6 Avoids "Must" Not "Should"		Mathew Crespo
		6.7 Gammar		Carey Tarkinson
		6.8 Explanation of Results		Angelo Mainolfi
		6.9 Extra Effort		John Flournoy
		6.10 Submit Needs		Angelo Mainolfi
7	VDR1			
		7.1 Construct Outline		John Flournoy
		7.2 Format Slides		Carey Tarkinson
		7.3 Complete Information		Mathew Crespo
			7.3.1 Project Brief	Angelo Mainolfi
			7.3.2 Project Scope	John Flournoy
			7.3.3 Customer Background	Carey Tarkinson
			7.3.4 Customer Needs	Angelo Mainolfi
			7.3.5 Future Work	John Flournoy
		7.4 Add Tables and Graphs		Mathew Crespo
		7.5 Present to the Class		Carey Tarkinson
		7.6 Submit Presentation		Angelo Mainolfi
8	Functional Decomposition			
	Due Oct 2nd	8.1 Begins with a Verb		Mathew Crespo

		8.2 Graphics		John Flournoy
			8.2.1 Include Concise Charts	Carey Tarkinson
		8.3 Explanation of Results		Angelo Mainolfi
		8.4 Connection to Systems		Mathew Crespo
		8.5 Smart Integration		Carey Tarkinson
		8.6 Action and Outcome		John Flournoy
		8.7 Function Resolution		Angelo Mainolfi
		8.8 Communication		Mathew Crespo
		8.9 Grammar		Carey Tarkinson
		8.10 Extra Effort		John Flournoy
		8.11 Submit Decomposition		Angelo Mainolfi
9	Targets and Metrics			
		9.1 Identify Targets		Angelo Mainolfi
		9.2 Identify Measurable Metrics		Mathew Crespo
		9.3 Assign Every Function a Target/Metric		John Flournoy
		9.4 Method of Validation		Carey Tarkinson
		9.5 Written Determination of the Target/Metrics		Angelo Mainolfi
		9.6 Tools Needed to Validate		Carey Tarkinson
		9.7 Communication		Mathew Crespo
		9.8 Grammar		Carey Tarkinson
		9.9 Submission		Angelo Mainolfi
10	Concept Generation and Selection			
		10.1 Generate 100 Concepts		John Flournoy
		10.2 Choose 5 Medium Fidelity Concepts		Mathew Crespo
		10.3 Choose 3 High Fidelity Concepts		Angelo Mainolfi
		10.4 Concept Generation Tools		Mathew Crespo
		10.5 House of Quality Chart		John Flournoy
		10.6 Pugh Chart		Carey Tarkinson
		10.7 Analytica Heirchy Process		Angelo Mainolfi
		10.8 Final Selection		Mathew Crespo
		10.9 Communication		John Flournoy
		10.10 Grammar		Carey Tarkinson
		10.11 Submission		Angelo Mainolfi
11	VDR2			

		11.1 Construct Outline		John Flournoy
		11.2 Format Slides		Carey Tarkinson
		11.3 Complete Information		Mathew Crespo
			11.3.1 Summary of VDR1	Angelo Mainolfi
			11.3.2 Functional Decomposition	John Flournoy
			11.3.3 Targets and Metrics	Carey Tarkinson
			11.3.4 Concept Generation	Mathew Crespo
			11.3.5 Concept Selection	John Flournoy
			11.3.6 Future Work	Angelo Mainolfi
		11.4 Add Tables and Graphs		Carey Tarkinson
				Mathew Crespo
		11.5 Present to the Class		John Flournoy
		11.6 Submission		Angelo Mainolfi
12	Evidence Book			
		1.1 Code of Conduct		Carey Tarkinson
		1.2 Work Break Down Structure		John Flournoy
		1.3 Sponsor Meet and Greet		Angelo Mainolfi
		1.4 Customer Needs		Mathew Crespo
		1.5 Project Scope		Carey Tarkinson
		1.6 Functional Decomposition		Angelo Mainolfi
		1.7 Appendices		John Flournoy
13	Prototype			
		13.1 Ordering Parts		Angelo Mainolfi
		13.2 Fit Checking		John Flournoy
		13.3 Soldering Circuits		Mathew Crespo
		13.4 Assembly of Powertrain		Carey Tarkinson
14	Final Assembly			
		14.1 Order Parts		Angelo Mainolfi
		14.2 Fit Check		John Flournoy
		14.3 Soldering Circuits		Mathew Crespo
		14.4 Check System Connection		Carey Tarkinson
		14.5 Validation		John Flournoy