

MSD1 Activities, by Discipline

Team Electrical Mechanical Industrial

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Come up to speed									
Establish Specifications		Concept Development		Design: Refinement, Finalization				MSD1 Wrap-up, MSD2 Preparation	
								Prepare for Tech. Review, Tie Up MSD1	
								Order Parts!	
Component Search		Electrical Design				Buffer Time		Finalize Design, Documentation	
Schematic Capture		Simulation, Circuit refinement, Feasibility Research		Part Selection, Ordering		Electrical Prototyping?			
		Breadboarding?		Refining		Part Receiving, Analysis			
				Motors, Electronics Selection					
Mechanical Design				Documentation, Refinement, Publication					
Materials Research, Selection		Structural Design		Part Selection		DwgPackage, BOM, Refine Design		Finalize Design, Finish Documentation	
Thermal Analysis		Mats Selected		Parts Ordering?		Mechanical Prototyping?			
Design Verification, Validation, Simulation, and Optimization						Documentation, Manufacturability			
Materials Research, Selection		Manufacturability, Feasibility, Risk Assessment				Develop Test Plan, Experimental Design			
Thermal Analysis		Mats Selected							