	Task Mode	Task Name	Duration	Start	Finish	Predecess
	⚲	Needs Assessment				
✓	📌	Research BCMOS background and their need statements. Clarify in Q&A section.	5 days	Mon 19-09-09	Fri 19-09-13	
✓	📌	Research current wheelchair specifications	5 days	Mon 19-09-09	Fri 19-09-13	
✓	📌	Research available markets	5 days	Mon 19-09-09	Fri 19-09-13	
✓	📌	Research other products	5 days	Mon 19-09-09	Fri 19-09-13	
✓	📌	Choose our market stakeholders and determine needs	5 days	Mon 19-09-09	Fri 19-09-13	
✓	📌	Create preliminary target specifications	5 days	Mon 19-09-09	Fri 19-09-13	
✓	📌	Determine project constraints	5 days	Mon 19-09-09	Fri 19-09-13	
✓	📌	Determine overall project scope	5 days	Mon 19-09-09	Fri 19-09-13	
✓	📌	Create a Risk Register	1 day	Mon 19-09-16	Mon 19-09-16	
	⚲	Concept Generation				
✓	📌	Function decomposition	2 days	Fri 19-09-13	Mon 19-09-16	
✓	📌	C-sketch round 1	1 day	Mon 19-09-16	Mon 19-09-16	2,3,4,7,8,9
✓	📌	First set of concept combination	1 day	Wed 19-09-18	Wed 19-09-18	13
✓	📌	C-sketch round 2	1 day	Wed 19-09-18	Wed 19-09-18	13
✓	📌	Concept combination (complete concepts)	1 day	Fri 19-09-20	Fri 19-09-20	15
	⚲	Concept Evaluation				
✓	📌	Winnowing	1 day	Mon 19-09-23	Mon 19-09-23	
✓	📌	Ranking	1 day	Mon 19-09-23	Mon 19-09-23	
✓	📌	Scoring - WDM	1 day	Wed 19-09-25	Wed 19-09-25	19,18
	📌	DFMEA 1	3 days	Mon 19-09-30	Wed 19-10-02	
✓	📌	Concept selection preparation	6 days	Wed 19-10-02	Wed 19-10-09	
	⚲	Design				

	Task Mode	Task Name	Duration	Start	Finish	Predecess
✓	📌	Concept selection preparation	6 days	Wed 19-10-02	Wed 19-10-09	
	⚲	Design				
	📌	General CAD assembly of Trailrider	18 days	Wed 19-10-16	Fri 19-11-08	
	📌	Determine key equations for analysis	4 days	Wed 19-10-16	Mon 19-10-21	
	📌	Outsource list of key components	5 days	Mon 19-10-21	Fri 19-10-25	
	📌	DFMEA 2	1 day	Wed 19-10-23	Wed 19-10-23	
	📌	MATLAB Optimization of key components	2 days	Fri 19-10-25	Mon 19-10-28	
	📌	Costing & LCA	1 day	Wed 19-10-30	Wed 19-10-30	
	📌	DFMEA 3	1 day	Wed 19-10-30	Wed 19-10-30	
	📌	Create detailed CAD of key components	4 days	Wed 19-10-30	Mon 19-11-04	
	📌	Engineering drawings of key components	3 days	Wed 19-11-06	Fri 19-11-08	
	⚲	Closeout				
	📌	Report mock deadline	21 days	Fri 19-10-11	Fri 19-11-08	
	📌	Report actual deadline	26 days	Fri 19-10-11	Fri 19-11-15	
	📌	Presentation mock deadline	6 days	Fri 19-11-08	Fri 19-11-15	
	📌	Presentation actual deadline	9 days	Fri 19-11-08	Wed 19-11-20	
	📌	Logbook submission	2 days	Thu 19-11-28	Fri 19-11-29	