

Gantt chart: SSV - Team Eclipse

Project	Tasks	Sub tasks	Sub sub tasks	
Enterprising	Team logo			
	WBS			
	Gantt chart			
	Plan of approach			
	Cooperation contract			
	Wiki page			
Education	Project report			
	Wiki-page updates			
	Meeting reports			
	Peer assessments			
Eng - Case1	Design and building	Frame		
		Wheels		
		Shaft		
		Drive structure		
		Guiding system	Wheels	
		Total weight		
		Orientation of the panel		
		Gear ratio		
		assignment solar panel and DC motor		
		Extra features		
		Simulate design		
		Solar panel character	Measurements	
			Diode factor	Procedure
			(U,P) curve	
			(U,I) curve	
			Error analysis	
		Optimal gear ratio	Ideas	

		Simulate Matlab	
		Conclusions	
		Predict race time	
	Find zero of function		
	Sankey diagrams	Situation 1	
		Situation 2	
	TOTAL		
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Eng - Simulink	Build model	Solar panel	
		DC motor	
		Mechanical load	
		Load torque	Slope
			Friction
	Simulate	Ohm test	Current and voltage
			Resistances
			Max Power
		DC i.s.o. solar panel	
		Race	Best gear ratio
			Expected race curve
	TOTAL		
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Eng - Case 2	Simulation vs. reality	Explanation	
		Sankey diagram	
	Analysis drive shaft	Situation 1	
		Situation 2	
	2D-technical drawing		
	SSV		
	Cyclist		
	TOTAL		
<hr/>			
Race			
<hr/>			
Total			

Sub sub sub tasks	Time needed (weeks)		Responsibility	Work hours						Joris Vermeuler			
	1	2		Kevin Denis (h)	Sven Imbrechts (h)	Jasper Kempeneers (h)	Thomas Mertens (h)	Matthijs Van Dijk (h)	1	2			
	1	3	Jasper			3							
	1	3	Kevin	3									
	1	4	Matthijs	1				3					
	1	3	Sven		2			1					
	1	3	Jasper			3							
	1	3	Matthijs					3					
	12	61	Kevin	11	10	10	10	10	10				
	12x1	25	Matthijs	3	3	3	3	10	3				
	12x1	25	Joris	3	3	3	3	3	10				
	2x1	12	---	2	2	2	2	2	2				
	5	12	Jasper			6		6					
	4	12	Kevin	6	6								
	5	14	Thomas				7		7				
	2	25	Kevin	5	4	4	4	4	4				
	2	14	Kevin	7	7								
	1	6	Sven		6								
	2	14	Joris					7	7				
	2	6	Sven		3	3							
	1	12	Joris					6	6				
	5	6	Kevin	1	1	1	1	1	1				
	2	8	Kevin	4					4				
	3	6	Matthijs					3	3				
	3	4	Matthijs					2	2				
	3	4	Matthijs					2	2				
	3	4	Matthijs					2	2				
	3	4	Matthijs					2	2				
	3	24	Sven	4	4	4	4	4	4				

	3	3	Kevin	3							
	3	7	Kevin	2	1	1	1	1	1		
	1	2	Sven		2						
	1	1	Sven		1						
	3	3	Thomas				3				
	3	3	Thomas				3				
	5	194	---								
	3	8	Kevin	4				4			
	3	10	Kevin	5				5			
	3	8	Kevin	4				4			
	3	12	Sven		4	4	4				
Air	3	12	Sven		4	4	4				
Wheels	3	12	Sven		4	4	4				
Side	3	12	Sven		4	4	4				
	3	7	Thomas				3		4		
	3	7	Thomas				3		4		
	3	7	Thomas				3		4		
	3	7	Jasper		3	4					
	3	7	Sven		3	4					
	3	7	Sven		3	4					
	3	116	---								
	5	12	Kevin	6				6			
	5	4	Thomas					4			
	5	8	Jasper	4		4					
	5	8	Thomas	4		4					
	5	6	Thomas					6			
	5	4	Kevin	4							
	5	4	Jasper			4					
	5	46	---								
	1	24	---	4	4	4	4	4	4		
		878		90	84	87	86	89	86		



