Design Evaluation Score Sheet Summary

Car Number _____

Category	Max Score	Car Rough Score	Car Adjusted Score	Notes to students			
Vehicle Level Engineering	35						
Chassis	20						
Ergonomics	10						
CVT / Transmission	15			Students will be judged on the creation of design			
Front drive, prop shaft, front hubs and axles	15			requirements and the ability to meet those requirements, computer aided drafting, analysis, testing and development, manufacturability,			
Reduction box, rear hubs and axles	15						
Suspension	10			serviceability, system integration and how the			
Steering	10			whole. Each of these parts of the engineering product			
Brakes	ikes 10			development cycle will be judged within the following subsystems: Suspension,			
Innovation (Bonus Points) (Max)	nnovation (Bonus Points) (Max)			Steering, Brakes, Drivetrain, and Chassis and Ergonomics.			
Design Finals (Bonus Points) (Max)	15						
Design Review Briefing (DRB)	10						
Total	150						

	Engineering Product Development Cycle	%	Comments
VEHICLE LEVEL ENGINEERING	Vehicle Goals & Cascaded Requirements	10%	
	Research/ Development & Component/Subsystem	15%	
	Full Vehicle Design & CAD	10%	
	Data Collection for Analysis	10%	
	Analysis / Calculations / CAE	15%	
	Testing / Validation	15%	
	Correlation of Analysis and	15%	
	Assessment Of Vehicle Goals	5%	
	Serviceability/	5%	
	Score	35	
STEMS	Chassis		
	Ergonomics		
JBS	CVT / Transmission		
s SI			
ER NOTES FOF	Reduction box, hubs and axles		
	Suspension		
	Steering		
AD			
Ц Ц	Brakes		
ВАҮ	Other		
	Total Score	35	

	Engineering Product Development Cycle	%	Comments
	Requirements	5%	
	Research/ Development	5%	
	Design / CAD	15%	
SIS	Data Collection for Analysis	15%	
AS	Analysis / Calculations /	25%	
CH	Testing / Validation	15%	
	Correlation of Analysis	15%	
	Serviceability/	5%	
	Score	20	
	Poquiroments	۲%	
		J70	
	Research/ Development	5%	
S	Design / CAD	15%	
M	Data Collection for Analysis	15%	
ERGONC	Analysis / Calculations / CAE	25%	
	Testing / Validation	15%	
	Correlation of Analysis and Testing	15%	
	Serviceability/ Manufacturability	5%	
	Score	10	
	Total Score	30	

		Engineering Product Development Cycle	%	Comments
VOISSIMSNA		Requirements	5%	
		Research/ Development	5%	
		Design / CAD	15%	
		Data Collection for Analysis	15%	
			1570	
		Analysis / Calculations / CAE	25%	
		Testing / Validation	15%	
		Correlation of Analysis and Testing	15%	
		Serviceability/ Manufacturability	5%	
		Score	15	
_				
FT,	2	Requirements	5%	
HA VI 5	VLC	Research/ Development	5%	
	A N	Design / CAD	15%	
	AN	Data Collection for Analysis	15%	
RIVE, F HUBS /	20	Analysis / Calculations / CAE	25%	
		Testing / Validation	15%	
\Box	_		2070	
NT	<u>S</u>	Correlation of Analysis and Testing	15%	
RO	L L	Serviceability/ Manufacturability	5%	
		Score	15	
R		Requirements	5%	
EA (λ	Research/ Development	5%	
REDUCTION BOX, RI HUBS AND AXLES	<u>ا</u> بُد	,p		
	N L	Design / CAD	15%	
	D D	Data Collection for Analysis	15%	
	NL	Analysis / Calculations / CAE	25%	
	A V	Testing / Validation	15%	
	'n		10/0	
		Correlation of Analysis and Testing	15%	
	-	Serviceability/ Mapufacturability	5%	
		Score	15	
		Total Score	45	

	Engineering Product Development Cycle	%	Comments
Ζ	Requirements	5%	
	Research/ Development	5%	
0	Design / CAD	15%	
N	Data Collection for Analysis	15%	
	Analysis / Calculations / CAE	25%	
SP	Testing / Validation	15%	
\square	Correlation of Analysis and Testing	15%	
N	Serviceability/	5%	
	Score	10	
	Requirements	5%	
		570	
	Research/ Development	5%	
Ð	Design / CAD	15%	
	Data Collection for Analysis	15%	
LEEP	Analysis / Calculations / CAE	25%	
	Testing / Validation	15%	
S	Correlation of Analysis and Testing	15%	
	Serviceability/	5%	
	Manufacturability Score	10	
	Requirements	5%	
	Research/ Development	5%	
S	Design / CAD	15%	
BRAKE	Data Collection for Analysis	15%	
	Analysis / Calculations / CAE	25%	
	Testing / Validation	15%	
	Correlation of Analysis and Testing	15%	
	Serviceability/	5%	
	Manufacturability Score	10	
	Total Score	30	