

Efficycle season 12: Virtual Event - Evaluation Matrix

Evaluation	Type	#	Evaluation parameter	Evaluation Item	Document / Track / IPG Data Logger	Efficiency			Score	Evaluators	Deadline for submission	Tentative Schedule of Evaluation
						3W Conv Efficycle	3W Advanced Efficycle	4W Effi-Que				
Package 1	Static	1	Project Management	Project Plan	Document	●	●	●	100	Alumni Team	10th Sep 21	1 Session / Team
		2		Design Validation Plan	Document	●	●	●	100			
		3	Design Toughness	BOM Report	Document	●	●	●	50			
		4	Virtual Car	IPG Model Parameters report	Document	●	●	●	50			
Package 2	Static	5	Design Toughness	Design Report	Document	●	●	●	100	Industry Panel	5th Oct 21	1 Session / Team
		6		CAD/CAE Report	Document	●	●	●	100			
		7	Business & Innovation	Business Plan	Document	●	●	●	100			
		8		Innovation report	Document	●	●	●	100			
	Dynamic (System Performance)	9	Acceleration Test	Acceleration	Track Running	●	●	●	100			
				Top Speed		●	●	●				
		10	Gradability Test	Gradeability - 4 deg	Track Running	●	●	●	100			
				Gradeability - 7 deg		-	●	●				
				Gradeability - 10 deg		-	-	●				
		9	Rough Road Testing	Manuverability Test	Track Running	●	●	●	150			
		10	Design Conformity Test	Ground Clearance Static & Dynamic	Track Running	●	●	●	100			
		11	Brake Test	Braking Distance	Track Running	●	●	●	100			
		12	Final Endurance	Endurance Evaluation	Track Running	●	●	●	400			
		13	Figure of 8	Figure of "8" Running	Track Running	●	●	●	50			
		14	Electric Drive Test	Range (Kms.) without Paddle assist	IPG Data Logger	-	●	●	200			
				Range (Kms.) with Paddle assist	IPG Data Logger	-	-	●				
15	Feature Confirmation / che	Speed Alert System	IPG Data Logger	-	●	●	50					
16	Safety	Roll Over	Track Running	●	●	●	50					
FINAL REVIEW		17	FINAL OC REVIEW		Overall - Summary Document	●	●	●	200	OC		Valedictory (5th Dec)