

Introduction to Engineering Design with Professional Development 1 – Team Project Demonstration Rubric

TEAM _____ DATE _____ INSTRUCTORS _____

PROJECT _____

FUNCTIONAL CRITERIA

Team Member (Name)	Key Function / Feature Metric	How It Will Be Demonstrated	Target Specification	Score 4-0
1				
2				
3				
4				
5				
6				
7				
			Average	
Instructions: Each team member must demonstrate one key feature for their subsystem. They must define how they will make that demonstration and identify the target value for that metric.		Scoring: 4 = fully functioned and meets all of the spec 3 = functioned and nearly meets the spec 2 = mostly functioned and mostly meets the spec 1 = partially functioned and / or barely meets the spec 0 = did not work and/or did not meet the spec		X 10
			Upper Score	

ADDITIONAL CRITERIA

	Excellent	Good	Satisfactory	Poor	Unsatisfactory
Creativity	Shows innovative use of technology (12)	Some innovative use of technology (11)	Innovations mentioned but not clearly visible (9)	Innovations unclear, not mentioned (8)	Simply a copy of existing technology (7)
Aesthetics	Project shows excellent durable workmanship (12)	Project shows some attention to durable workmanship (11)	Project is assembled, components attached (9)	Loose / poorly attached components, wiring disorderly (8)	Project shows little or no attempts at workmanship (7)
Intuitive / Ease of use	Project self-communicates design intent, user manual not required (12)	Project can be operated with little guidance / training (11)	Project can be operated with guidance / training (9)	Project operation requires detailed explanation or training (8)	Project operation is unclear even with explanation (7)
Safety	Safety features visible and demonstrated (12)	Safety features visible or demonstrated (11)	Features mentioned but not demonstrated (9)	Features not mentioned (8)	No safety features visible or demonstrated (7)
Robustness	Project works every time it's operated without any adjustments (12)	Project works multiple times with little or no adjustment (11)	Project works multiple times but requires some attention / adjustment (9)	Project works once but operation cannot be repeated (8)	Project does not work at all (7)