

Poster Number: _____

Poster Title: _____

	1	2	3	4
	Unacceptable	Marginal	Admirable	Exceptional
Need/Objective of the system, component, or process Score: _____	The need was not established and/or the design objectives are not well defined	Need not clearly articulated or the design objectives are not clearly connected to the articulated need	Need is clearly articulated with limited rationale. Design objectives clearly outlined.	Clearly articulated need statement, well explained rationale and clearly outlined design objectives
Project Planning Score: _____	No evidence of planning	Little planning or forethought. Project hastily completed for deadline	Basic planning and time management needs necessary for project completion met	Exhibits a professional level of planning and time management
Technical requirements, constraints and trade-offs Score: _____	Technical and non-technical constraints (economic, safety, environmental, etc.) were assumed, but not incorporated in the design.	Identified a few technical constraints and non-technical constraints.	Identified realistic technical constraints with limited attention to non-technical constraints. Trade-offs were considered.	Identified/ realistic technical, economic, safety and environmental constraints and performed trade-off analysis
Concept generation and selection Score: _____	Developed only a single solution	Developed technically feasible alternative solutions, selected a solution using limited criteria.	Developed technically feasible alternative solutions, compared alternative solutions and selected best solution using criteria.	Developed technically feasible alternative solutions, compared the alternative solutions, and recommended one of the solutions based on well defined criteria.
Prototyping, Testing and Validation Score: _____	Team did not build a virtual or a physical prototype	Prototype was built but did not meet the design requirements and constraints or prototype was inadequately validated	Prototype met most of the requirements and constraints and was validated.	An iterative prototype and redesign process was utilized .Final prototype met all of the requirements and constraints. The design was adequately validated.
Poster aesthetics and Presentation Score: _____	Team members were not prepared to present their project Poster is dull with poor appearance	One team member is dominant; Poster design lacks creativity. Inappropriate use of color and space, font too small, diagrams are not clear.	Some team members contribute to discussions; Adequate use of color, layout, and space with clear diagrams, layout follows a logical flow	All team members contributes to speaking. Lessons learned are clearly articulated Overall design is pleasing and harmonious. Creative poster design.
Innovation: project idea and approach Score: _____	Design was not innovative	Utilized existing knowledge and resources to develop a solution based on an existing solution to the problem.	Developed a novel approach of solving to an existing problem that has commercialization potential	Developed a novel solution to a new problem that may be patentable and commercializable
<u>Specific projects ONLY</u> Cybersecurity Score: _____	Design is not secure.	Adapted an existing secure solution to an existing problem	Developed a novel secure solution to an existing problem which has high societal impact	Identified a new cybersecurity problem and developed a new solution to address the problem which has high societal impact.