

ESC472 – Winter 2021 – Process and Product Documentation Rubric

Team: PPD Iteration: Date: Assessor:			Not Started	Exploring	Developing	Developed	Professional
				Initial attempts. Any measurable or significant progress is yet to be achieved.	Measurable progress but outcomes are still incomplete.	Outcomes are mostly complete but still imperfect.	Fully complete and done to high standards.
PRODUCT	<b>Scope</b> <i>What value does this project create, and for whom?</i>	Value hypothesis has been developed and tested.					
		The problem definition and scope are well defined, compelling and realistic.					
		Costumer/stakeholder are segmented, and their requirements are well understood and incorporated.					
		Success criteria and performance metrics are well-defined.					
		Societal and environmental impacts are understood.					
	<b>Function</b> <i>What does the project need to do and how will it do it?</i>	The functions of the system are defined and specified in a way that guides the project.					
		The functions of the system are well researched and understood.					
		The functions provide a compelling solution to the defined problem.					
		The functions address the customer/stakeholder requirements.					
	<b>Performance</b> <i>How well does the product achieve its function?</i>	Performance goals are connected to system functions.					
		Correct data is used to assess criteria and metrics and appropriate visualization methods are used.					
		Analysis identifies strengths, weakness, and possible improvements.					
		Performance trade-offs are well understood.					

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PROCESS	<b>Design</b> <i>How will your team move from ideas to a plan?</i>	The design aligns with the system functions.					
		Design documents inform and capture the design.					
		Appropriate technical standards are incorporated in the design.					
		Design strategy and methodology is well documented and yields a feasible design and plan.					
		Evidence of information gathering with which the plan keeps evolving.					
		The plan for system verification is well-documented.					
	<b>Creation</b> <i>How will your team move from a plan to a product?</i>	Prototypes have informed design choices.					
		Drawings, calculations, and models are complete, correct, and detailed.					
		A feasible plan is outlined for the purchase and collection of tools and the use of prototyping services.					
		Evidence of system verification and validation.					
	<b>Resources</b> <i>How will your team to utilize the available resources?</i>	Project timeline in realistic and accounts for risks and uncertainty.					
		The scope matches the available resources.					
		Methods are in place to assess project progress.					
		Resources, including time, budget, people, equipment, etc, are well-managed.					
PEOPLE	<b>Structure</b> <i>How is your team organized to achieve project goals?</i>	Methods are in place to maintain equity, inclusion, accountability and fairness.					
		Team roles and expertise are well-defined.					
	<b>Dynamics</b> <i>How does your team engage with each other and external stakeholders, and how does this inform your process and product?</i>	Communication among team and with external stakeholders is well-documented.					
		Team has plans to develop necessary skillsets or obtain any necessary information.					

**Holistic Comments**