	Poor [Assessment = 1]	Below expectations [Assessment = 2]	Meets expectations [Assessment = 3]	Exceeds expectations [Assessment = 4]	Score† [1-4]	Weight	Weighted Score
Use of Engineering Tools/Techniques	Engineering tools/techniques were used inadequately and/or with multiple, significant implementation errors. The desired outcome is either not achieved or is achieved in a manner that leaves the results in doubt.	Partially incorrect results were obtained due to the partially faulty implementation/use of the selected engineering tools/techniques. The team appears to partially lack the expertise required to use the selected engineering tools/techniques properly.	Engineering tools and standards are correctly used according to the best practices of the field. Team demonstrates competence in the use of selected tools/techniques for design analysis/virtual prototyping purposes.	Engineering tools/techniques are used at an advanced level that demonstrates a superior level of understanding of the methodology involved. The accuracy and quality of the results is at the highest level.		2	
Prototype Fabrication (incl. Software Interface) Plan/cost	The proposed fabrication plan for the intended prototype is either lacking or is erroneous/incomplete from either technological or cost estimation standpoints and thereby cannot be approved for funding in its current form.	The proposed fabrication plan for the intended prototype is partially correct/complete and/or is not optimized with respect to the costs to be incurred such that it does not demonstrate a responsible use of the available resources.	The proposed fabrication plan for the intended prototype is correct, complete and cost effective. Credible estimates of the cost to produce the prototype are provided.	The proposed fabrication plan for the intended prototype is correct, complete and cost effective. Alternative manufacturing paths/procurement sources were investigated in an attempt to minimize the costs associated with prototype fabrication.		1	
Validation Protocols	Test plans are either missing or incorrect and thereby the need for a prototype is unjustified.	Test plans and protocols are either insufficiently detailed or they include methodological errors/flaws. As a result, the utility of the prototype is questionable.	The intended prototype represents an appropriate tool for validation of the original design. A sufficient level of detail is provided with respect to future testing plans/protocols.	The intended prototype adequately supports validation of the original design. The testing methodology envisioned is correct, detailed and demonstrates an in-depth understanding and creative use of available resources.		2	
Preliminary Validation Results and Analysis	Test results are either missing and/or they are not presented from the perspective of the original problem statement/project objectives	Presented test results are insufficiently detailed and/or do not fully relate to the original problem statement/project objectives	Test results are appropriately detailed and they support the original problem statement/project objectives	Testing results are accurate and comprehensive. They are reported with clear connection to the original design statement/project objectives. The limitations of the testing methods and results are discussed from the perspective of validation accuracy and confidence in the results.		1	
				TOTAL SCORE			**/24**

† **Intermediary marks (e.g., 1.5 or 2.75 are allowed).**