

CSC Value Benefit Analysis Presentation Rubric

University Team Name: _____ Team Number: _____

Score the following categories on a 0-10 point scale, ranging from inadequate to excellent, using only whole numbers. Each category will be weighted in the final points awarded according to the percent value in the weight and category column. The following criteria are a general guideline for awarding points. Rationale **MUST** be given to explain point deductions.

Category and Weight	10	5	0	Score (0-10)	Notes/ Rationale
Overview of Analyzed Components (10%)	<ul style="list-style-type: none"> ● Clear understanding and analysis of the two or three (2 or 3) components chosen and their impact on the sled ● Good choice of analyzed components 	<ul style="list-style-type: none"> ● Somewhat clear impact of the components on the sled ● Team chose somewhat impactful components, but could have chosen better options 	<ul style="list-style-type: none"> ● No analysis on the components impact on the sled ● Team analyzed too few components (0 or 1) OR too many components for sufficient analysis to be presented on each 		
Prototype & Early Development (15%)	<ul style="list-style-type: none"> ● Clear explanation of how prototypes were made ● Prototype costs are addressed ● Good explanation of how the prototype influenced the final design 	<ul style="list-style-type: none"> ● Team described most of the prototype process ● Reasoning for prototype cost is somewhat unclear ● Some explanation of how prototypes influenced the final design 	<ul style="list-style-type: none"> ● No explanation of how prototypes were made ● No explanation of prototype costs ● Prototype influence on final design is not discussed 		
Testing & Data Analysis (15%)	<ul style="list-style-type: none"> ● Well defined testing methodology ● Team understood their procedures and assumptions ● Clear understanding of how data is interpreted ● Clear explanation of errors present 	<ul style="list-style-type: none"> ● Test method and assumptions are developed but miss some key ideas ● Data interpretation is mostly sound, but with minor issues ● Errors are presented, but team shows lack of understanding of the errors or some minor errors were missed 	<ul style="list-style-type: none"> ● No defined test method, procedures, or assumptions ● No explanation of data interpretation ● No explanation of errors 		

Mass Production Analysis (25%)	<ul style="list-style-type: none"> • Team defined a clear mass production process • Team defined a cost per piece, at production level • Pros and cons of selected methods outlined 	<ul style="list-style-type: none"> • Mass production process presented but may not be ideal • Unclear reasoning behind cost per piece • Some pros and cons are missing or not relevant 	<ul style="list-style-type: none"> • No mass production process presented • No piece part cost • No pros and cons of selected methods 		
Value Evaluation (25%)	<ul style="list-style-type: none"> • Good evaluation of the added value and benefits of chosen components • Errors and assumptions are explained/defined • Component value was evaluated on a per-dollar basis (e.g. dBA/\$, HP/\$, MPG/\$, etc.) 	<ul style="list-style-type: none"> • Missing some evaluation of the added value and benefits of chosen components • Errors and assumptions are missing some explanation/definition • Missing some evaluation of component value on a per-dollar basis 	<ul style="list-style-type: none"> • No evaluation of added value and benefits of chosen components • No errors or assumptions are presented • No evaluation of component value on a per-dollar basis 		
Presentation Skills (5%)	<ul style="list-style-type: none"> • Team is professional and well prepared • Presentation flows well and is of professional quality (style, grammar, spelling, etc.) 	<ul style="list-style-type: none"> • Team is professional and mostly prepared • Presentation has minor flow and quality issues. 	<ul style="list-style-type: none"> • Team is not professional or prepared • Presentation has major flow and quality issues 		
Defense (5%)*	<ul style="list-style-type: none"> • Team is capable of answering questions resolutely and defended their decisions • Valid reasons for project selection, mass production method, and value evaluation were provided 	<ul style="list-style-type: none"> • Team answered some questions and partially defended decisions • Some reasons were provided for projects, mass production, and value evaluation 	<ul style="list-style-type: none"> • Team was not able to defend decisions nor answer questions • No valid reasons were provided for project selection, mass production, or value evaluation 		

*It is crucial for judge's to ask questions during the presentation and give the team an opportunity to defend their design. If no questions are asked, the team should be awarded a 10.