

TECH 931 Energy Systems in the Developing World

Amy Banzaert

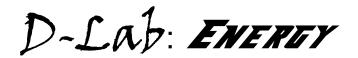
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Overall Grade	GRADE/100
Timeliness	TIME/10
exactly on time or just a bit short	9-10
somewhat short or long	6-8
excessively short or long	0-5
Preparation	PREP/15
clearly well-prepared	15
• a bit rough	10-14
very unprepared and disorganized	0-10
Looks-Like Prototype	LOOKS/20
outstanding: aesthetically pleasing, form follows function	19-20
good: decent aesthetics with some room for improvement	16-18
weak: minimal aesthetics	10-15
non-existent	0
Works-Like Prototype	WORKS/20
 outstanding: function matches design specifications extremely well and operates well 	19-20
good: decent function with some room for improvement	16-18
weak: works sort-of	10-15
does not function or non-existent	0
Presentation	PRES/25
 outstanding: clear explanation of project motivation and community partner needs, current implementation, next steps 	24-25
good: decent explanation of most of the following: project motivation and community partner needs, current implementation, next steps	20-23
weak: missing key presentation parts or very unclear	0-19
Questions	QUES/10
outstanding: responded to questions thoughtfully and clearly	9-10
good: responded to questions relatively thoughtfully and clearly	7-8
weak: responded to questions defensively or without thought	0-6



Final Presentations

Overall Grade	GRADE/100
Timeliness	TIME/10
exactly on time or just a bit short	9-10
somewhat short or long	6-8
excessively short or long	0-5
Preparation	PREP/10
clearly well-prepared	9-10
• a bit rough	6-8
very unprepared and disorganized	0-5
Prototype	LOOKS/25
outstanding: aesthetically pleasing, form follows function, function matches design specifications extremely well and operates well	24-25
good: decent aesthetics and function with some room for improvement	20-23
weak: minimal aesthetics and minimal function	0-19
Presentation	PRES/25
 outstanding: clear explanation of project motivation and community partner needs, current implementation, next steps 	24-25
 good: decent explanation of most of the following: project motivation and community partner needs, current implementation, next steps 	20-23
weak: missing key presentation parts or very unclear	0-19
Questions	QUES/10
outstanding: responded to questions thoughtfully and clearly	9-10
good: responded to questions relatively thoughtfully and clearly	7-8
weak: responded to questions defensively or without thought	0-6
Poster	POS/10
 outstanding: clear overview of project motivation and community partner needs, current implementation, next steps; well laid out; good use of photos, text, and white space 	9-10
 good: decent overview of project motivation and community partner needs, current implementation, next steps; use of photos, text, and white space 	7-8
 weak: unclear project motivation and community partner needs, current implementation, next steps; poorly laid out; limited use of photos, text, and white space 	0-6
1-minute presentation	MIN/10
outstanding: engaging, compelling, clear project overview, well-rehearsed	9-10
good: somewhat engaging, compelling, project overview, rehearsed	7-8
weak: not engaging, unclear project overview, not rehearsed	0-6



Final Report

Overall Grade	GRADE/100
Abstract	TIME/10
outstanding summary, representative photo included	9-10
good summary, representative photo included	7-8
weak summary, no photo	1-6
nonexistent	0
Problem Statement	PREP/10
very clear problem statement, well-defined, includes community partner details	9-10
somewhat clear problem statement, includes community partner details	7-8
weak problem statement, minimal community partner details	1-6
nonexistent	0
Design Specifications	LOOKS/10
outstanding: appropriate specs that are well-defined and matched to community needs	9-10
good: decent specs that are pretty well-defined and somewhat matched to community needs	7-8
• weak: poor specs that are poorly defined and poorly matched to community needs	1-6
nonexistent	0
Design Concepts & Selection Process	PRES/10
• outstanding: range of concepts presented, clear explanation of concepts, and clear, sensible selection process	9-10
good: a reasonable set of concepts presented, decent explanation concepts, and somewhat sensible selection process	7-8
weak: few concepts presented, unclear explanation, weak selection process	1-6
nonexistent	0
Detailed Design Description	QUES/15
• outstanding: design well-described, design decisions clear, excellent pictures and drawings, clear and appropriate calculations, excellent instructions	14-15
• good: design described, design decisions relatively clear, pictures and drawings, calculations, decent instructions	12-13
weak: design poorly described, design decisions unclear, weak pictures and drawings, weak calculations, weak instructions	10-11
nonexistent	0-9
Experiments & Results	POS/10
outstanding: clear explanation of experimental methodologies and results; experiments were ideal for the design process open questions	9-10



Final Report

 good: explanation of experimental methodologies and results; experiments were appropriate for the design process open questions 	7-8
outstanding: weak explanation of experimental methodologies and results; experiments were not appropriate for the design process open questions	1-6
nonexistent	0
Discussion of Design Match to Specifications	MIN/10
outstanding: clear link from design to specs, shortfalls well-identified	9-10
good: link from design to specs, shortfalls identified	7-8
weak: limited link from design to specs, shortfalls not identified	1-6
nonexistent	0
Community Partner Receipt and Follow-Up Discussion	MIN/15
• outstanding: strong discussion of how design has been received by community partner, clear follow-up needs and associated plan	14-15
 good: good discussion of how design has been received by community partner, follow-up needs and associated plan included 	12-13
 weak: unclear discussion of how design has been received by community partner, follow-up needs and associated plan unclear or limited 	10-11
• nonexistent	0-9
Writing Practices	MIN/10
outstanding: cohesive and clear document, well-edited, sources cited properly	9-10
good: cohesive document, editing evident, sources cited	7-8
weak: un-cohesive document, editing poor, some sources not cited	0-6
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