

GEARSEF

Project Score Sheet - Engineering

I. Research Problem: 10 points	
o Description of a practical need or problem to be solved	/3
o Definition of criteria for proposed solution	/3
o Explanation of constraints	/4
Research Problem Total:	/10
Comments:	
II. Design and Methodology: 15 points	
o Exploration of alternatives to answer need or problem	/5
o Identification of a solution	/5
o Development of a prototype/model	/5
Design and Methodology Total:	/15
Comments:	
III. Execution: Construction and Testing: 20 points	
o Prototype demonstrates intended design	/6
o Prototype has been tested in multiple conditions/trials	/6
o Prototype demonstrates engineering skill and completeness	/8
Execution Total:	/20
Comments:	

Creativity: 20 points	
<ul style="list-style-type: none"> ▪ Does the project offer different perspectives or open up new possibilities in a field of study? (6 points) ▪ Is the project idea unique? (6 points) 	/12
<ul style="list-style-type: none"> ▪ Project demonstrates significant creativity in at least one of the following: Design and Methodology Data Collection Analysis 	/8
Creativity Total:	/20
Comments:	
Presentation: 35 points	
Poster (10 Points): <ul style="list-style-type: none"> ▪ Logical organization of material, how well does the physical display explain the project? (4 points) ▪ Clarity of graphics and legends, how clearly are data and results presented? (3 points) ▪ Supporting documentation displayed (3 points) 	/10
Interview (25 points): <ul style="list-style-type: none"> ▪ Clear, concise, thoughtful responses to questions (4 points) ▪ Understanding of basic science relevant to project (4 points) ▪ Understanding interpretation and limitations of results and conclusions (4 points) ▪ Degree of independence in conducting project: If the work was performed in a “mentor-rich” environment, does the student exhibit evidence of their independent contributions to the work? (6 points) ▪ Recognition of potential impact in science, society and/or economics (3 points) ▪ Quality of ideas for further research (4 points) ▪ For team projects only – deduct points for unequal contributions to and understanding of project (up to 2 points) 	/25
Presentation Total:	/35
Comments:	
Total Score:	/100
Final Comments:	

Judge's Name: _____

Please Print Legibly