

## Judging Criteria: *Engineering Division*

Project Number \_\_\_\_\_

Category \_\_\_\_\_

Project Problem \_\_\_\_\_

	Superior	Very Good	Good	Poor	Notes
<b>Research Problem</b> <ul style="list-style-type: none"> <li>• clear and focused</li> <li>• description of practical need or problem to be solved</li> <li>• real-world application</li> </ul>	10	8	4	2	
<b>Design and Methodology</b> <ul style="list-style-type: none"> <li>• well-designed plan for prototype and testing</li> <li>• explanation of limitations</li> <li>• explanation of alternatives</li> </ul>	15	10	5	2	
<b>Testing/Modifications</b> <ul style="list-style-type: none"> <li>• systematic data collection</li> <li>• at least 3 modification cycles</li> <li>• rationale for modifications</li> <li>• final design is supported by data</li> </ul>	15	10	5	2	
<b>Representation of Data/Design</b> <ul style="list-style-type: none"> <li>• accurate application of mathematics for analysis</li> <li>• clarity of graphs/charts/diagrams</li> <li>• appropriate representation of graphs/charts</li> </ul>	10	8	4	2	
<b>Log Book</b> <ul style="list-style-type: none"> <li>• detailed observations/entries</li> <li>• sketches/diagrams</li> <li>• dated entries</li> <li>• evidence of research</li> <li>• bibliography (at least 3 sources)</li> </ul>	15	10	5	2	
<b>Interview</b> <ul style="list-style-type: none"> <li>• clear, concise response to questions</li> <li>• understanding of science concepts</li> <li>• understanding of design process</li> <li>• degree of independence</li> <li>• lessons learned</li> <li>• ideas for future research</li> <li>• If team, both members demonstrate significant contribution to project</li> </ul>	15	10	5	2	
<b>Display</b> <ul style="list-style-type: none"> <li>• logical organization of project content</li> <li>• tells story of project</li> <li>• displays student learning</li> </ul>	10	8	4	2	
<b>Creativity</b> <ul style="list-style-type: none"> <li>• project demonstrates imagination and inventiveness</li> <li>• project opens up new possibilities or new alternatives</li> </ul>	10	8	4	2	

\*\*Form to be printed in blue for Regional Science and Engineering Fair.

Total \_\_\_\_\_