

Completed ENGINEERING Project Evaluation

Scoring Actual / Maximum	Feedback (in the form of comments, not point values) from judges will be provided to students. Please check comment(s) as they apply: <input type="checkbox"/> Strong <input type="checkbox"/> Acceptable <input type="checkbox"/> Weak
Problem definition _____ / 10	Problem definition (10 points maximum) <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Abstract sufficiently describes the project – problem and goal. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Demonstrates an understanding of scientific problem-solving methods . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Problem was sufficiently framed.
Literature Review _____ / 15	Literature review (15 points maximum) <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Includes significant research into similar topics. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Incorporates recent sources . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Includes scientific, credible sources .
Experimental design _____ / 15	Experimental design (15 points maximum) <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Engineering/technology solution is workable . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Solution is acceptable to the potential user . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Solution represents a significant improvement over previous alternatives.
Conduct of study _____ / 15	Conduct of study (15 points maximum) <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Experimental design was properly implemented . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Data collection methods were clearly defined and followed. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Study variables were controlled .
Interpretation of results _____ / 20	Interpretation of results (20 points maximum) <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Conclusions are logical and are clearly supported by the data . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Possible alternative explanations were considered and eliminated. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Limitations of the data are understood. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Student has an idea of what further research is indicated. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Student provides written documentation of lab work (i.e., lab notebook).
Originality and creativity _____ / 5	Originality and creativity (5 points maximum) <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Area of investigation is original . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Project approach is creative .
Project display _____ / 10	Project Display (10 points maximum) <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Clearly presents data and results. Data is well organized . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Poster highlights relevant information. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Tables, graphs and illustrations are used effectively. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Poster board is neat/uncluttered .
Oral presentation _____ / 10	Oral presentation (10 points maximum) <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Outstanding presentation – well-organized, thorough and clear! <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Student's ownership/originality was clearly expressed. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Presentation was well-rehearsed and followed a logical order . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Presentation was completed within the allotted time . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Judges' questions were effectively anticipated and succinctly answered following the initial presentation. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Student maintained good eye contact with judges. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Student was easy to hear and understand .
Total Points _____ /100	Comments: