

Engineering Proposal 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 .
Understanding of Supporting Information ____/30	Understanding of supporting information (30 points maximum) <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Connection between the literature review and proposal is well-explained. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Previous literature is connected with increasingly more specific studies (“ funnel effect ”). <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Shows written evidence of literature research (lab notebook/ research binder).
Future plans and Ideas ____/20	Future plans and ideas (20 points maximum) <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Engineering proposal sounds logical and workable . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Scope of project appears to be reasonable. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Proposed technology meets the needs of users . <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Possible alternative approaches to the proposed engineering solution are discussed. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Alternative resources available have been identified. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W Appropriate supervisor/ mentor has been identified.
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 proposed steps and projected data/ results. <input type="checkbox"/> S <input type="checkbox"/> A <input type="checkbox"/> W 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 Presentation was well-rehearsed and 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: