2025 RCSEF Engineering Project Judging Rubric

The following is a set of criteria to assist you in interviewing and in evaluating the student's projects.

GUIDELINES	NOTES
I. Research Problem(10 pts) __ description of a practical need or problem to be solved __ definition of criteria for proposed solution __ explanation of constraints	
II. Design and Methodology (15 pts) __ exploration of alternatives to answer need or problem __ identification of a solution __ development of a prototype/model	
III. Execution: Construction and Testing (20 pts) __ prototype demonstrates intended design __ prototype has been tested in multiple conditions/trials __ prototype demonstrates engineering skill and completeness	
IV. Creativity (20 pts) __ project demonstrates significant creativity in one or more of the above criteria	

V. Presentation (35 pts)
    a. Poster (10 pts)
    __ logical organization of material
    __ clarity of graphics and legends
    __ supporting documentation displayed
 	
    b. Interview (25 pts)
    __ clear, concise, thoughtful responses to questions
    __ understanding of basic science relevant to project
    __ understanding interpretation and limitations of results and conclusions
    __ degree of independence in conducting project
    __ recognition of potential impact in science, society and/or economics
    _quality of ideas for further research
    _for team projects, contributions to and understanding of project by all members	