NEGA RSEF 2022 Project Rubric - ENGINEERING (Senior Division)

Project ID Number: _____

CRITERIA	FAIR	AVERAGE	GOOD	SUPERIOR	
For Engineering Projects	TAIK	AVENAGE	uoob	Soi ERIOR	
(and some projects in math or computer science)					
 I. Research Problem (10 pts) description of a practical need or problem to be solved definition of criteria for proposed solution explanation of constraints 	3	4 5 6	7 8	9 10	
 II. Design and Methodology (15 pts) exploration of alternatives to answer need or problem identification of a solution development of a prototype/model 	7	8 9 10 11	12 13	14 15	
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 	10 11	12 13 14 15	16 17	18 19 20	
IV. Creativity/Originality/Inventiveness (20 pts project demonstrates significant creativity/originality/inventiveness in one or more of the above criteria (I, II, or III)	10 11	12 13 14 15	16 17	18 19 20	
 V. Presentation – Poster (10 pts) logical organization of material clarity of graphics and legends supporting documentation well selected & displayed 	3	4 5 6	7 8	9 10	
V. Presentation – 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 understandin of project by all members	13 14	15 16 17 18 19 20	21 22	23 24 25	
Subtotal	S				
Judge's Initials		Combined Total (100 Point			
MANDATORY FORMS REVIEW (Please check forms present at display.)					
These forms are required for ALL projects					
☐ Official Abstract Form ☐ Form 1 Checklist for Adult Sponsor		☐ Form 1B Approval Form		n 1B Approval Form	
These forms are required for certain types of research projects.					
27 27					
☐ Form 1C Regulated Research	☐ Form	☐ Form 4 Human Participants ☐ Form 6B Human/Animal			
Setting	☐ Form	Forms 5A/5B Vertebrate Animals			
☐ Form 2 Qualified Scientist	☐ Form	☐ Form 6A Potentially Hazard Bio		Form 7 Continuation	
☐ Form 3 Risk Assessment	Agent	S	<u> </u>	i / Gontinuation	