Engineering & Mathematics, Energy – Physics

Jury Evaluation Criteria
(**Junior vs Senior** – Gold : 100 – 91 / Silver: 90-81 / Bronze: 80-65)

Criterion	Junior Points	Senior Points
Original Idea / Innovation (Is the idea new or an improved version of an existing concept in engineering, mathematics, or physics?)	15	15
Presentation Techniques (Do students demonstrate strong understanding of the project? Are technical and scientific concepts explained clearly? Are language skills effective? Is the presentation well-structured? Are questions answered satisfactorily?)	15	10
Poster & Table Design (Are required sections included as shown on the website? Are diagrams, calculations, formulas, or system designs clearly presented? Is the table informative and well-prepared with relevant materials or components?)	10	10
Implementation / Realization (How well has the idea been realized? Is there a prototype, model, or system? Does it function effectively and reliably? Are engineering design and performance (e.g., efficiency, stability) demonstrated?)	15	20
Methodology / Process (The evaluation focuses on how the project was planned and developed, including testing, optimization, and the use of appropriate technical or scientific methods.)	10	10
Scientific / Creative Quality (The evaluation focuses on the quality of outcomes, including mathematical modeling, accuracy of calculations, application of physical principles, and whether testing or validation was conducted.)	10	15
Impact / Relevance (Does the project address real-world engineering, energy, or physical challenges? Does it provide practical, scientific, or technological value? Does it contribute to solving a relevant problem? Future development plan)	15	15
Sources	---	5