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| **Citrus County RESF** *Sponsored by:* **&** **Engineering Judging Form** *Place project label here:**Student name; school; project #...* **Judges Notes:**  | **Judging Criteria for Engineering Projects****I. Research Problem (10 pts)** **/10*** Description of a practical need or problem to

Be solved* Definition of process for proposed solution

**/20****II. Design and Methodology (20 pts)** * Exploration of alternatives to answer need
* Identification of a solution
* Procedure is sequential and describes the investigation clearly

**III. Execution: Data Collection, Analysis and Interpretation (25 pts)*** Prototype demonstrates intended design

**/25*** Prototype tested in multiple conditions/trials
* Prototype demonstrates engineering skill
* Quantitative, metric data collected & displayed
* Conclusion based on success in regards to the problem &

Suggestions for further efforts or applications**/10** **IV. Creativity (10 pts)*** project demonstrates significant creativity in one or more of the above criteria

**/10****V. Display (10 pts)** * logical organization of material
* clarity of graphics and legends
* Abstract & supporting documentation displayed (log book and forms)

**VI. Interview (25 pts)** **/25*** clear, concise, thoughtful responses to questions
* understanding of basic science relevant to project
* understanding of limitations and results/conclusions
* degree of independence in conducting project
* recognition of potential impact in science, society and/or economics
* quality of ideas for further research

**Total****/100**   |