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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** |