**Research Plan**

Instructions: Using the suggested research activities presented at the end of each lecture, identify at least one activity that you are most interest in and will be involved in upcoming months.

**Faculty Name: Alfred Alaniz**

**Email: aalaniz@alamo.edu**

**Institution: San Antonio College**

**Title of the Research: Applications of Concentrated Solar Radiation**

**Will it be a collaborative work with other partners (if yes, name of the partner):**

**Objectives of Activity:**

**Provide a source of concentrated sunlight for various applications.**

**Description of the activity:**

**Repurpose large parabolic dishes to reflect and focus sunlight.**

**Investigate rear vs. forward focus points.**

**Develop and build tracking support system.**

**Develop and build instrument support at focus.**

**Possible deliverables/output (a product, software, article, etc.):**

**Automated tracking reflecting parabolic dish.**

**Expected Students involved:**

**Students will be recruited from San Antonio College science STEM majors.**

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| **Name** | **Email** | **Field of interest** | **Hours/week working** | **Minority?** | **Female Minority?** |
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