**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: Mian Jiang**

**Email: jiangm@uhd.edu**

**Institution: University of Houston - Downtown**

**Title of the Research: Determination of calcium additives used in solar**

**energy storage**

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

**Will collaborate with professors of other disciplines within our institution.**

**Will also try to make joint efforts with TSU or Rice University if possible**

**Objectives of Activity:**

**To develop new, convenient ways to determine calcium content that is**

**used in solar thermal power storage.**

**Description of the activity:**

**Using traditional chemical analysis as well as modern instrumental methods to study and to optimize the proposed determination condition**

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

**Student presentations within and outside of campus. Proceedings of the conference abstracts**

**Expected Students involved:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Email** | **Field of interest** | **Hours/week working** | **Minority?** | **Female Minority?** |
| **Denisse Velazquez** | **deevlz@live.com** | **Chemistry** | **9 hrs/wk** | **Yes** | **Yes** |
| **Aaron Terres** | **Torresa70@gator.uhd.edu** | **Physics/chemistry** | **8 hrs/wk** | **yes** | **No** |
| **Charles Punnathara** | **charlespunnathara@gmail.com** | **Engineering Technology** | **8 hrs/wk** | **no** | **no** |