**Program Student Learning Outcomes Assessment Summary**

**(AY 2012-2013)**

**Program Student Learning Outcomes (PSLOs)**

At the completion of the **Refrigeration and Air Conditioning** **certificate**, the student will be able to:

1. Identify safety and occupational health requirements in the air conditioning and refrigeration industry.
2. Use specified hand and power tools for refrigeration and air conditioning.
3. Perform basic hand skills in maintaining refrigeration and air conditioning systems to a given specifications.
4. Read and interpret basic electrical drawing & symbols related to refrigeration and air conditioning systems.
5. Perform basic troubleshooting and repair to residential air conditioning units and refrigerators.
6. Participate in the refrigeration and air conditioning profession.

**PSLO Assessment Report Summary**

**What we looked at:**

The Refrigeration and Air Conditioning certificate, assessment focused on PSLOs 3 and 4. Listed below are the results for each of the PSLOs.

**What we found:**

* PSLO#3: 11 out of 15 students or 73% students got 'C' or better as their final grade when given an air conditioning unit, hand tools and supplies, the students performed general cleaning of the unit.
* PSLO#4: 10 out of 13 students or 77% students got "C" or better as their final grade when given a refrigerator, room air conditioner, multi-meter and electrical components, the student will rewire the units as specified in the schematic diagram.

**What we are planning to work on:**

**Recommendations for students:**