

# Greek Matching Software

**R**esearchers at the University of South Florida have developed an innovative software package called the Greek-Base 2003 which is used to match the candidates to the various organizations.

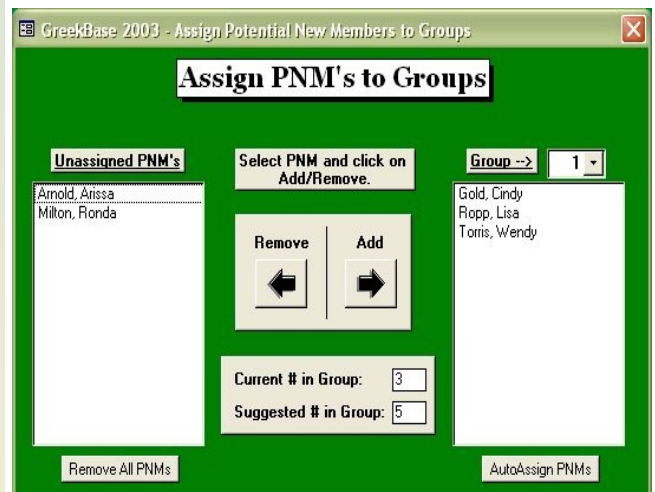
Recruiting new resources in collegiate fraternal organizations is a very lengthy process and is a very labor intensive endeavor. Existing software packages are inefficient, as the algorithm used in them is limited in terms of compatibility and security. Also, the existing software packages are complex, and therefore, not user friendly. Hence, there is a need for a software package that is flexible, user friendly, and matches candidates to organizations using an advanced matching algorithm.

Inventors at USF have developed a novel software package called the Greek-Base 2003 that efficiently matches incoming new recruits to the organizations based on the rankings entered by both sides. This software package is more efficient compared to the existing software package in terms of security, complexity, and compatibility. The software package uses a Stable Marriage algorithm to match candidates to various organizations. The software contains three modules: a Main Database Application (MDA) used by the Recruitment Administrator, a Terminal Login Software accessible to the public, and Organization Software. Each participating organization is given a copy of the software and their preferences are stored in the MDA. This software package has extensive applicability in Universities to match candidates to various fraternities and sororities.

### ADVANTAGES:

- **User Friendly Graphic User Interface (GUI)**
- **Enhanced security features, control based on privileges**
- **Enhanced printing capabilities**

*Windows Based Matching Algorithm*



*User Interface of the Stable Marriage Algorithm Used to Match the Candidates to Organizations*

**Tech ID # 04A042**