



HBCU / MI Technology Infusion Road Tour

University of Texas El Paso

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Completing a Needs Assessment

- **Understand the Mentor Protégé Agreement Requirements for HBCU/MIs**
 - 70% of hours dedicated to business developmental activities
 - 30% of hours dedicated to technical developmental activities
 - Activities need to be focused on delivering a win-win-win for NASA, Protégé, and Mentor



Completing a Needs Assessment

- **Determine what the Protégé wants to get out of the agreement**
 - Develop strategic relationships with industry partners
 - Enhance infrastructure (i.e. new software, equipment, etc.)
 - Provide research opportunities for staff and training
 - Inject financial assistance in the form of scholarships for students
 - Provide employment opportunities to students in the form of internships or co-ops



Completing a Needs Assessment

- **Determine what the Mentor wants to get out of the agreement**
 - Pool of talent / resources (i.e. knowledgeable professors and enthusiastic students)
 - Diversify supply chain and infuse innovation – source for R&D efforts
 - Strategic long-term value as a partner



Completing a Needs Assessment

- **Brainstorm the following:**
 - What can the Protégé offer the Mentor and vice versa?
- **Things to keep in mind:**
 - Do the wants of the Protégé fulfill the needs of the Mentor?
 - Are the activities proposed achievable and measurable?
 - Are there sufficient resources available to ensure the program is successful?
 - How do the activities benefit NASA?



AR / AAMU Mentor-Protégé Activities

- AR / Alabama A&M University (HBCU) Mentor-Protégé Agreement established from 2012 to 2014
- Activities completed included:



Job Shadowing



Engineering Training



Executive Lecture Series & Executive / Faculty Exchange



Career Fairs & Professional Development



QUESTIONS???



CHALLENGES PRIMES ENCOUNTER

Challenges Primes Encounter

- Significant gaps between wants of Protégé and needs of Mentor
- Different business infrastructure / organization
- Finding subcontracting opportunities
- Schedules

