Welcome to AIMS²(HSI-STEM Grant) Meeting # 42
JD 1568
2 PM – 4 PM, April 21, 2016

CSUN

COLLEGE OF
**ENGINEERING AND
COMPUTER SCIENCE**

AGENDA

- Recap on AHSIE Conference 2016 – Bob Ryan, Vidya, Anwar, Gloria, and Ramesh
- Project Assessment and Evaluation Update – Nathan (45 minutes)
  - Cohort achievement data, and Cohort graduate interview study
- Academic Progress of Cohorts (15 minutes)
  - Glendale Community College – Jan Swinton, Scott Rubke and Richard Cortes
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- Planning for March 2016 Competition* - Ramesh and Nathan (45 minutes)
- Upcoming events/Meeting Calendar
- Adjourn

AIMS² Featured on White House Google Hangout – March 16, 2016

https://www.youtube.com/watch?v=afImTdQ3DOk

AIMS² Program: Strength in Cohorts

- Advising, cohort activities including tutoring, workshops, and <u>student research</u> are project strengths
  - Student application of knowledge relevant to their fields of study
  - Beneficial contact, meaningful relationships with faculty mentors
  - Mentoring: Academic and Career advising shapes student experiences
  - Preparation for careers in the field
  - Student contact with faculty in research, cohort group meetings, informal meetings = academic, social, and career development
- Overall, frequent and consistent student-faculty interaction tends to have the strongest effects on student experiences

- Cohort based model
- Collaboration between CSUN and CCC's
- High Transfer Achievement
- GPA, Persistence, and Graduation
- Served over 200 transfer students (approximately 67 % Latino/a).

For more information
Visit www.ecs.csun.edu/aims2

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- Information Items

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Looking Ahead

- We are scaling the number of CC partners and anticipate serving a much larger/broader student body.

- We will be focusing on best practices from our 2011 grant: 1. Cohorts, 2. Undergraduate Research, 3. Tutoring, 4. Faculty/Curriculum Development, and 5. Industry involvement/External Advisory Committee.

- Some of the new areas of focus are: 1. Improve Peer Mentoring, 2. Career and post-graduate support for cohorts, 3. Outreach to strengthen pipeline – and alignment with Career Pathways grant, 4. Fine tune assessment and evaluation, and 5.Track graduates from the cohorts

Priorities

Absolute Priority 1

An application that proposes to develop or enhance tutoring, counseling, and student service programs designed to improve academic success, including innovative and customized instruction courses (which may include remedial education and English language instruction) designed to help retain students and move the students rapidly into core courses and through program completion

Priorities

Absolute Priority 2

An application that proposes activities to increase the number of Hispanic and other low-income students attaining degrees in the STEM fields and proposes to develop model transfer and articulation agreements between two-year HSIs and four-year institutions in STEM fields.

Competitive Preference Priorities

Competitive Preference Priority 1

▸Applications supported by evidence of effectiveness that meets the conditions set out in the definition of "evidence of promise."

▸Worth one additional point.

Competitive Preference Priorities

Competitive Preference Priority 2

▸Applications supported by evidence of effectiveness that meets the conditions set out in the definition of "moderate evidence of effectiveness."

▸Worth three additional points.

Review and Evaluation Categories

- Quality of Project Design (30 points)
- Quality of Project Services (20 points)
- Significance (20 points)
- Quality of Management Plan (10 points)
- Quality of Project Evaluation (20 points)

Selection Criteria

A. <u>Quality of Project Design</u> (maximum 30 points)

1. The extent to which the design of the proposed project is appropriate to, and will successfully address, the needs of the target population of other identified needs. (up to 10 points)

2. The extent to which the design of the proposed project includes a thorough, high-quality review of the relevant literature, a high-quality plan for project implementation, and the use of appropriate methodological tools to ensure successful achievement of project objectives. (up to 5 points)

3. The extent to which the proposed project is supported by strong theory. (up to 5 points)

4. The extent to which the proposed project represents an exceptional approach to the priority or priorities established for the competition. (up to 10 points)

Selection Criteria

B. <u>Quality of Project Services</u> (maximum of 20 points)

   1. The extent to which services to be provided by the proposed project reflect up-to-date knowledge from research and effective practice. (up to 10 points)

   2. The likely impact of the services to be provided by the proposed project on the intended recipients of those services. (up to 10 points)

Selection Criteria

c. <u>Significance</u> (maximum 20 points)

1. The potential contribution of the proposed project to increase knowledge or understanding of educational problems, issues, or effective strategies. (up to 5 points)

2. The likelihood that the proposed project will result in system change or improvement. (up to 15 points)

Selection Criteria

D. **<u>Quality of the Management Plan</u>** (up to 10 points)

1. The adequacy of the management plan to achieve the objectives of the proposed project on time and within budget, including clearly defined responsibilities, timelines, and milestones for accomplishing project tasks. (up to 5 points)

2. The extent to which the time commitments of the project director and principal investigator and other key personnel are appropriate and adequate to meet the objectives of the proposed project. (up to 5 points)

Selection Criteria

E. **Quality of the Project Evaluation** (maximum 20 points)

1. The extent to which the goals, objectives, and outcomes to be achieved by the proposed project are clearly specified and measureable. (up to 5 points)

2. The extent to which the methods of evaluation are thorough, feasible, and appropriate to the goals, objectives, and outcomes of the proposed project. (up to 5 points)

3. The extent to which the methods of evaluation will, if well-implemented, produce evidence about the project's effectiveness that would meet the What Works Clearinghouse Evidence Standards with reservations. (up to 10 points)

Allowable Activities (20 U.S. Code § 1101b)

- Purchase, rental, or lease of scientific/laboratory equipment for educational, instructional, and research purposes.
- Construction, maintenance, renovation and improvement of instructional facilities.
- Support of faculty exchanges, fellowships and development; and curriculum development
- Purchase of library books, periodicals, and other educational materials.
- Tutoring, counseling, and student services designed to improve academic success.
- Articulation agreements and student support programs designed to facilitate the transfer from two-year to four-year

- Joint use of facilities, such as laboratories and libraries.
- Establishing or improving a development office.
- Establishing or improving an endowment fund.
- Creating or improving facilities for Internet or other distance education technologies.
- Establishing or enhancing a program of teacher education.
- Establishing community outreach programs that will encourage elementary and secondary students to pursue postsecondary education.
- Expanding the number of Hispanic and other underrepresented graduate and professional students that can be served by the

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Meeting Calendar for Spring 2016

- ✓ *Jan 21, 2016**
- ✓ *Feb 18, 2016**
- • ~~*Mar 24, 2016**~~
- ✓ *April 21, 2016**
- • *May 19, 2016**

*Monthly meetings above are scheduled from 2 PM – 4 PM in JD 1568.

- • *June 2, 2016 or June 9, 2016***

** External Advisory Committee Annual Meeting – Year 5 – either in JD 1568 or Orange Grove Bistro (luncheon followed by meeting)

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- Project Activities
  - Spring 2016 Visits to Partner Colleges - All
- Ongoing Research Projects/Group Meetings – Reports by CSUN Faculty Mentors
  - ME – Vidya Nandikolla
  - MSEM – Behzad Bavarian
  - ECE – Bruno Osorno
  - COMP Sci – Gloria Melara
  - CECM – Anwar Alroomi
- Planning for March 2016 Competition - Ramesh

- Adjourn