Purdue School of Engineering and Technology, IUPUI

Dean's Industry Advisory Council

December 10, 2009

Today's Agenda

- Meeting Convened (Dale Jacobs)
  — Introduction of new members

- 180 Skills (Joe Kitterman)
- School Update (Dean Yurtseven)
- Recognition of Service (Dean Yurtseven)
- Presentation of DIAC Pins & Certificates

- 2010 Goals and Objectives (Committee Chairs)
  – Long Range Plan – Next Steps Discussion
  – Proposed meeting dates and other important dates

- Purdue Technology Center at Indianapolis
  (Jim Bartek & John Hanak)

- Tour and Networking

- Wrap Up and Adjourn (Dale Jacobs)

180 Skills LLC

Joe Kitterman

School Report for DIAC Meeting

December 10, 2009

News from IU and IUPUI

- State Appropriations were reduced for 2009-11 biennium.

- Federal stimulus funds backfilled the reductions for two years only.

- Board of Trustees approved tuition increase of 4.6% for 2009-10 for undergraduate students.

- Tuition increases were 9-25% for graduate programs.

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AND TECHNOLOGY
A PURDUE UNIVERSITY SCHOOL
Indianapolis

- IU plans to implement 4.2% cut from base funds for 2010-11. (School share is $400K cut)
- State collected less than projected tax revenue ($254M for September, $46M for October, and $120M for November).
- Governor announced $150M (6%) cut from the higher education institutions.
- Indiana Commission on Higher Education will formulate the implementation within a month.
- School's share of the cut may be around $500K.

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- IU will return part of the tuition increase ($300 per student) to in-state and full-time students if they enroll in 12 or more credit hours and if they end up with 3.0 semester grade point average.

- School's share is about $150K.

- IU may have to roll back tuition increase for 2010-11.

- Record student enrollment in IU system.
- IU-BL has over 40,000 and IUPUI has over 30,000 students.
- Based on the US and World News report, IUPUI is on the list of "universities to watch" for second year in a row.
- Last year IUPUI was 14th on the list with Ohio State; this year it is in 7th place.
- IUPUI is in the silent phase of new fund raising campaign.

- IU President announced new program, Innovate Indiana Fund
  - $10M
  - Translation and commercialization of concepts and technology developed by faculty.
  - Seed funds of $50K to $350K.
  - IU RTC will run the program.

School News

- Enrollment is up again as compared to last year
  - 6% up in student headcount for fall 2009
  - 6.2% up in student credit hours for fall 2009
  - We are still the largest student headcount unit on campus.
  - Spring 2010 student credit hours increased by 8%.
- Energy Engineering-BS proposal will go to ICHE after Purdue Trustees' approval.
- School bundled all the laboratory and other fees into one program fee for students effective this fall.

School News - 2

- ABET (Accreditation Board for Engineering and Technology) team visited and reviewed our Computer Graphics Technology-BS and Computer and Information Technology-BS programs for the first time in October 2009.

- NASM (National Association of Music Schools) team visited and reviewed our music technology programs for the first time in November 2009.

School News - 3

- External research was at a record high ($7.2M) for 2008-09.

- We have already $5.1M for July-November of this fiscal year.

- Budget is in flux. We have to plan for less State appropriation during 2011-13 when the Federal Stimulus funds are gone and also return funds to State.

- The average SAT sore of admitted students increased from 1,021 to 1,042 for fall 2009.

- Planning for Science and Engineering Research Complex 1 (SERC) continues. This is primarily for our school and the School of Science.

- SERC 1 will be $20M building with 60% of space going to research. The funding will be through research overhead from the campus and the two schools.

- Funds for SERC 2 will be requested from the State during 2011-13 biennium.

- There is a possibility of SERC 3 funded through private donations.

- School is awaiting the decision from IU President regarding the school's share from the ANGEL software proceedings.

- Search for new dean is underway. Clayton Nicholas and Bill Wylam are on the Search Committee.

School News - 6

- We are in the silent phase of the next fundraising campaign.

- School priorities have been identified and the campaign leadership team will be formed.

- The preliminary fundraising target for the school is $12M.

- The beginning and ending dates for the campaign are yet to be announced.

Recognition of Service

Thank You Dale

Recognition

Presentation of DIAC Pins & Certificates

Announcements

- Faculty Interns
- Employer Survey
  - "Important for ABET Visit
- Recruiting Speakers for IPS Science and Engineering Classes (see handout in packet)

Plans for 2010

- Prepare for School Leadership Transition

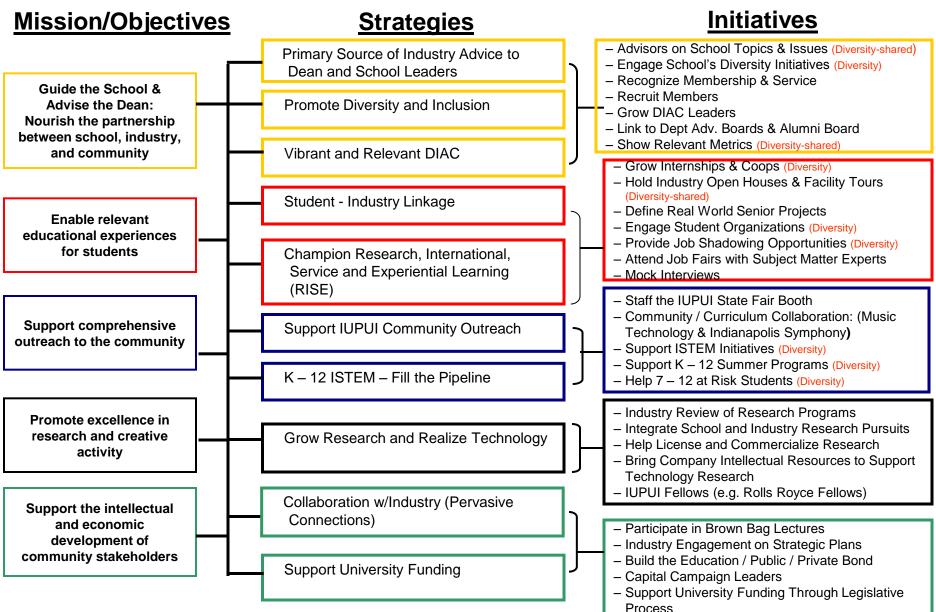- Turn Long Range Plan into Reality
  - "DIAC Impact"

- Committee:
  - Vince Newsom-Chairman
  - Frank St. John
  - Terri Talbert-Hach
  - Kevin Zaletel
  - Clayton Nicholas
  - Sam White
- Last committee meeting: 10/16/09 & 12/8/09

DIAC Long Range Plan

WHERE **IMPACT** IS MADE
E V E R Y   D A Y

Mission/Objectives

Guide the School & Advise the Dean: Nourish the partnership between school, industry, and community

Enable relevant educational experiences for students

Support comprehensive outreach to the community

Promote excellence in research and creative activity

Support the intellectual and economic development of community stakeholders

Strategies

Primary Source of Industry Advice to Dean and School Leaders

Promote Diversity and Inclusion

Vibrant and Relevant DIAC

Student - Industry Linkage

Champion Research, International, Service and Experiential Learning (RISE)

Support IUPUI Community Outreach

K – 12 ISTEM – Fill the Pipeline

Grow Research and Realize Technology

Collaboration w/Industry (Pervasive Connections)

Support University Funding

Initiatives

– Advisors on School Topics & Issues (Diversity-shared)
– Engage School's Diversity Initiatives (Diversity)
– Recognize Membership & Service
– Recruit Members
– Grow DIAC Leaders
– Link to Dept Adv. Boards & Alumni Board
– Show Relevant Metrics (Diversity-shared)

– Grow Internships & Coops (Diversity)
– Hold Industry Open Houses & Facility Tours (Diversity-shared)
– Define Real World Senior Projects
– Engage Student Organizations (Diversity)
– Provide Job Shadowing Opportunities (Diversity)
– Attend Job Fairs with Subject Matter Experts
– Mock Interviews

– Staff the IUPUI State Fair Booth
– Community / Curriculum Collaboration: (Music Technology & Indianapolis Symphony)
– Support ISTEM Initiatives (Diversity)
– Support K – 12 Summer Programs (Diversity)
– Help 7 – 12 at Risk Students (Diversity)

– Industry Review of Research Programs
– Integrate School and Industry Research Pursuits
– Help License and Commercialize Research
– Bring Company Intellectual Resources to Support Technology Research
– IUPUI Fellows (e.g. Rolls Royce Fellows)

– Participate in Brown Bag Lectures
– Industry Engagement on Strategic Plans
– Build the Education / Public / Private Bond
– Capital Campaign Leaders
– Support University Funding Through Legislative Process
– Tie Into 2012 Super Bowl

Diversity, Recruiting and Retention

Mission/Objectives

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Strategies

Primary Source of Industry Advice to Dean and School Leaders

Promote Diversity and Inclusion

Vibrant and Relevant DIAC

Initiatives

– Advisors on School Topics and Issues (Diversity-shared)
  – Make recommendations to Dean on diversity related issues
– Engage School's Diversity Initiatives (Diversity)
  – Represent DIAC on Diversity Council
– Recognize Membership & Service
– Recruit Members
– Grow DIAC Leaders
– Link to Dept Adv. Boards & Alumni Board
– Show Relevant Metrics (Diversity-shared)
  – Present diversity metric status to DIAC and make recommendations

Diversity, Recruiting and Retention

Mission/Objectives

Enable relevant educational experiences for students

Strategies

Student - Industry Linkage

Champion Research, International, Service and Experiential Learning (RISE)

Initiatives

– Grow Internships & Coops (Diversity)
  – Need a plan
– Hold Industry Open Houses & Facility Tours (Diversity-shared)
  – When invited
– Define Real World Senior Projects
– **Engage Student Organizations** (Diversity)
  – Provide advisory role to SWE, NSBE and SHPE
– Provide Job Shadowing Opportunities (Diversity)
  – Support when requested
– Attend Job Fairs with Subject Matter Experts
– Mock Interviews

Diversity, Recruiting and Retention

Mission/Objectives

Strategies

Initiatives

Support comprehensive outreach to the community

Support IUPUI Community Outreach

K – 12 ISTEM – Fill the Pipeline

– Staff the IUPUI State Fair Booth
– Community / Curriculum Collaboration: (Music Technology & Indianapolis Symphony**)**
– Support ISTEM Initiatives (Diversity)
  – Represent DAIC on ISTEM planning
– Support K – 12 Summer Programs (Diversity)
  – Support student initiatives including MEAP, etc.
– Help 7 – 12 at Risk Students (Diversity)

Diversity, Recruiting and Retention

- Several initiatives apply to DRR committee, however we need to ensure we're focused.

- #1 Priority: Engage Student Organizations (SWE, SHPE, NSBE)

  - Initial interviews with students leaders and advisors indicates more participation and direction is needed.

  - These organizations offer leadership and development opportunities to constituent groups.

  - Vibrant and active student organizations are one of the keys to the school's diversity initiatives. (recruitment/retention)

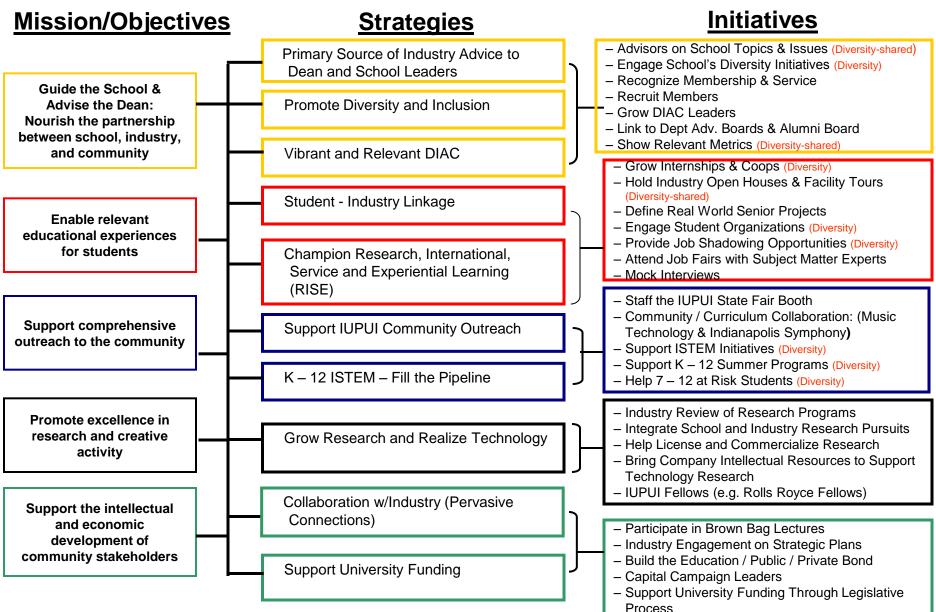 - Focusing on this initiative will affect other initiatives….

Discussion

DIAC Long Range Plan

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Vibrant and Relevant DIAC

Initiatives

– Ad Hoc Advisors on School Topics and Issues
– Engage School's Diversity Initiatives
– Recognize Membership & Service
– Recruit Members
– Grow DIAC Leaders
– Link to Dept Adv. Boards & Alumni Board
– Show Relevant Metrics

**Specific
Measurable
Attainable
Realistic
Timely**

Committee Work Plan & Metrics

Strategy ➔ Initiative	Task	Measurement
Vibrant and Relevant DIAC ➔ Recognize Membership & Service	Create DIAC Certificates – APR09 Design and Order Recognition Pins – APR09 Recognition Pins Issued to 80% of DIAC - SEP09 DIAC Members Interviewed on TODAY Show – DEC09	% Members Recognized # DIAC Members on TV

Purdue Technology Center at Indianapolis

Jim Bartek & John Hanak

Wrap-Up

Important Dates 2010

- February 11,Thursday: DIAC Meeting, 3:30 – 5:30 p.m.

- April 9, Friday: DIAC Meeting, 8:00 – 10:00 a.m.

- April 23, Friday: School of Engineering and Technology Honors Convocation & Dinner

- June 10, Thursday: DIAC Meeting, 3:30 – 5:30 p.m.

- September 17, Friday: Joint Board of Advisors Retreat, 11:00 a.m. – 4:00 p.m.

- TBD: Alumni Golf Outing

- October 22, Friday: DIAC Meeting, 8:00 – 10:00 a.m.

- December 9, Thursday: DIAC Meeting, 3:30 – 5:30 p.m.