2007-2008 Engineering & Technology

Section	Document Name
Fiscal Health	• Eng & Technology.pdf
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Mission

Our vision is to be one of the best urban schools of engineering and technology, recognized locally, nationally, and internationally for its achievements.

Our mission is to provide to our constituents:

- High quality, well-rounded, and relevant educational experiences that promote critical thinking, scholarly work, and effective communication
- An environment that encourages and promotes excellence in technical proficiency, leadership, scholarship, basic and applied research, creative pursuits, and lifelong learning and that provides opportunities to develop the necessary skills
- An environment that fosters respect for cultural, ethnic, racial, age, and gender diversity
- Educational programs that are regularly reviewed and assessed for continuous improvement
- Outreach and accessibility to the educational, research, and service needs of the broader community through collaboration with other educational institutions, local school systems, businesses and government agencies, and cultural organizations
- Activities that support the intellectual and economic development of business, industry, government, and community stakeholders.

Our Core Values that define, inform, and guide our decisions and actions are:

- *Academic Excellence: *Academic excellence is our first priority. We foster, recognize and value lifelong excellence in learning, teaching, and scholarship.
- C*ollaboration & Partnering:* We value teamwork, collaboration, and partnership building within and across disciplines and with the community.
- D*iversity:* We value and encourage intergenerational, multiethnic, and international diversity in our research foci, curricula, and pedagogy and in our faculty, staff, and student composition. We encourage diversity of ideas.
- P*rofessionalism & Integrity:* We foster, recognize, and reward high standards of professionalism and integrity. We value industrial experience in our faculty and students. We expect faculty to be academic and professional role models. We support best practices in teaching and learning. We expect ethical decision making and behavior by all people and in all practices associated with the School.
- R*espect/Collegiality/Civility:* We respect and value the unique abilities, perspectives, and contribution of every person in the Schools community. We respect each other as individuals. We respect every persons right and responsibility to carry his/her share of the load.
- R*esponsiveness & Service:* We are committed to service and volunteerism both within and outside our School and to meeting the needs of our constituents. We encourage feedback from our constituencies and work to adjust our efforts to meet their needs. We are committed to changing our teaching programs and research initiatives to respond to our constituents stated and anticipated needs.
- L*eadership & Continuous Improvement:* We foster, recognize, and reward high levels of leadership at every level in the School. We are committed to being a leader in the disciplines of engineering and technology. We seek to assess and regularly refine our programs and administrative processes.
- I*UPUI Identity:* We value the unique opportunities associated with being part of one of the nations best urban universities, and we appreciate the value of the Purdue name in our degrees. With a wide range of degree programs (174 associate through doctoral) and 18 schools, IUPUI is Indianas most comprehensive academic institution and is one of the leading research institutions in the State.

Goals and Objectives

Goals and Objectives

A1. Attract more students, including better prepared students and a more diverse population to the school

A1.a. Increase involvement in Project Lead the Way and similar programs. • Champion: Terri Talbert-Hatch and Charles Feldhaus

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: null
Time Frame: Ongoing

Actions taken for 2007-2008:

1. We hosted 12 high schools and over 700 students during 2007-08.
2. We hosted the fourth annual Project Lead the Way Student Conference in collaboration with the Indiana Department of Education in April 2008 with 600+ high school students in attendance.
3. We continue offering $1,000 scholarship to students who completed Project Lead the Way courses in high school and who agreed to come to our technology programs. One $1,000 PLTW scholarship was offered and accepted by a student who completed PLTW courses in high schools
4. 14.8% of direct admits for fall 2007 have taken one or more PLTW courses in high school.

Evidence of Progress for 2007-2008:

Our Friday labs have large groups of students attending.

Project Lead the Way Student Conference attendance almost doubled from 300 plus to 600.

Activities planned for 2008-2009:

1. Continue with the theme orriented Friday labs. Two of the themes selected for 2007-08 are "motorsports" are "women in engineering and technology" as they were in 2006-07.
2. Continue with CIT Day hands-on computer and information technology activities on campus as part of Friday labs.
3. Three $1,000 PLTW scholarships were offered and accepted by students who completed PLTW courses in high school. 14.2% of Direct admits for fall 2008 have taken one or more PLTW courses in high school.
4. Hosted the State IED (Introduction to Engineering Design)

A1.b. Continue to improve our process for recruiting students from K-12. • Champion: Terri Talbert-Hatch

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

The level of student scholarship funds in the school increased to $120,000 from $100,000 last year. Cummins Corporation continued for a third year to support two graduate engineering scholarships for minority students. In addition, students have access to many one-time merit-based awards sponsored by local businesses and industries.

Evidence of Progress for 2007-2008:

Engineering and Technology students received 3 Hoosier Presidential, 1 Plater, 16 Academic Excellence, 28 Dean of Faculties, 6 Val/Sal, and 19 First Generation scholarships for 2007-08 academic year.

Activities planned for 2008-2009:

1. Continue looking for additional funding opportunities for student scholarships.
2. Market scholarship opportunities to prospective donors.
4. Market the scholarship opportunities to prospective students.

A1.c. Increase the number of scholarships for underrepresented students. • Champion: Terri Talbert-Hatch, Paula Jenkins, and Sam White • Team members: Paula Jenkins and Sam White

Campus Planning Theme: Teaching and Learning, Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

With the help of Sam White, Senior Advisor to Dean for Diversity and Engagement, we continue our work with our industry partners to secure additional scholarships for minority students.

Evidence of Progress for 2007-2008:

We do not have any progress to report yet.

Activities planned for 2008-2009:

We are in the process of reviewing our Minority Engineering Advancement Program (MEAP) to bridge more MEAP participants to attend our school with scholarship support. The review continues.

A1.d. Increase the number of merit-based scholarships and funding per scholarship. • Champion: Terri Talbert-Hatch • Team member: Paula Jenkins

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

During 2006-07, 53 in-state students received merit-based scholarships in the amount of $38,000 and 4 international students received a total of $9,000 as tuition scholraships based on merit.

Evidence of Progress for 2007-2008:

We continue attracting students with better academic credentials due to merit-based scholarship offers.

Activities planned for 2008-2009:

During 2008 - 09, 77 domestic students received in-state merit-based scholarships in the amount of $90,875 and 12 international students received a total of $25,292 as tuition scholarships based on merit.

Activities planned for 2009-10
We will match all campus admission based scholarships at the rate of 25% for both domestic and international students.

We have also created a new scholarship for direct admits students with a 3.25 GPA that did not receive a campus admission scholarship which will be in the amount of $1,000 annually.

A1.e. Increase the number of highly qualified traditional students who are directly admitted to the school. •Champion: Terri Talbert-Hatch

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

We offered supplementary scholarships to campus admission based scholarships in the amount of 50% for all domestic students.

Evidence of Progress for 2007-2008:

The SAT/ACT scores of admitted students increased as well as the number of scholarship holders from 2005-06 to 2006-07.

Activities planned for 2008-2009:

We will continue offering merit-based scholarships to academically strong students. Our match for campus admission based scholarship was reduced to 25% due to the increase of amounts of campus awards. However, the 25% match was extended to International students also.

A1.f. Expand articulation agreements with other institutions to increase the number of qualified transfer students. • Champion:

A1.f. Expand articulation agreements with other institutions to increase the number of qualified transfer students. • Champion: Bill Conrad • Team members: Charles Feldhaus and Tim Diemer

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Director of External Academic Links, Charles Feldhaus, continued his work to update the articulation agreements with Ivy Tech and number of area high schools. Director of International Service Office, Tim Diemer, also facilitated additional MOU signing with the international institutions.
Department of Computer and Information Technology offered additional online computing courses to high schools. These courses count towards AS and BS degrees if these students apply to CIT and are dmitted into the program.

Evidence of Progress for 2007-2008:

There is more interest on the part of area high schools to articulate courses with our schools.

Activities planned for 2008-2009:

Department of Computer and Information Technology will add more online course offereings to high schools and articulate some advanced placement of high school students when they apply to and are admitted by our school.

A1.g. Increase the number of classes offered via distance education.

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

The Department of Computer, Information, and Leadership Technology (CILT) now offers all of its CIT courses in AS degree on line and a large number of junior level classes have also online optons. Large number of OLS courses are also online.
The online MS program in technology with Facilities Management option is now run by the Department of Engineering Technology.

Evidence of Progress for 2007-2008:

Percentage of student credit hours generated by online courses is now over 10% in the school.

Activities planned for 2008-2009:

We will increase the online course percentage from little over 10% of the total student credit hours to 12%.

A1.h. Enhance the quality of all programs, as measured by accrediting agencies, in comparison with peer institutions, and to meet the needs of industry. • Champion: Bill Conrad and Andrew Hsu • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

The technology programs (ART-AS, CEMT-BS, EET-BS, MET-BS, and Computer Engineering Technology-BS) received full six-year accreditation from ABET after the fall 2006 visit.

All of our technology programs went through IUPUI external review in November 2006. The main focus of the review was to address the declining enrollment in our technology programs and a possible reorganization of these programs. As a result, we reduced the number of departments in technology from five to three.

Evidence of Progress for 2007-2008:

We continue preserving the accreditation status of all of our accreditable programs by ABET.

Activities planned for 2008-2009:

Interior Design Technology-BS program went through initial accreditation visit by the Council of Interior Design Accreditation (CIDA) in October 2007. In April 2008, we received the word that INTR program received 6-year accreditation from CIDA.

As a result of the review of the technology programs, school followed up with the issues of enrollment decline and reorganization.

A1.i. Increase marketing efforts for academic programs. • Champion: Terri Talbert-Hatch • Team members: Bill Conrad and Department Chairs

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Both the school and the department websites went through a major overhaul. Additional websites were created to highlight some of the special programs in the school.

Evidence of Progress for 2007-2008:

Our enrollment decline slowed and we hope to make some recovery by fall 2007 semester.

Activities planned for 2008-2009:

We plan to increase the number of connections to high schools, attend more recruitment fairs both locally and internationally.

A1.j. Continue to improve the school's process for maintaining contact with prospective students upon first contact. • Champion: Terri Talbert-Hatch

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

The Assistant Dean for Student Services contacts newly admitted or transferred students for academic advising, registration, and any needed follow up. Departments are asked to also establish contact with new students and welcome.

Evidence of Progress for 2007-2008:

We do not have any evidence at this point.

Activities planned for 2008-2009:

We plan to continue the effort in a more focused fashion to improve the enrollment and to improve the retention.

A1.k. Increase the number of classes offered via nontraditional delivery methods. • Champions: Department Chairs

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

We continue to develope and teach more online courses as well as 1-week courses during the Christmas break, spring break and summer.

Evidence of Progress for 2007-2008:

We are still in the process of evaluating the effectiveness of these efforts.

Activities planned for 2008-2009:

Departments are looking into teaching 8-week and 12-week course modules.

A1.l. Increase the number of certificate and degree programs offered by nontraditional delivery methods. • Champions: Department Chairs

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Biomedical Engineering Technology-BS program continues developing more courses on the web.

Evidence of Progress for 2007-2008:

Online courses are the ones that fill up first during registration.

Activities planned for 2008-2009:

Motorsports engineering-BS program will start recruiting new students.

A1.m. Continue to develop new academic initiatives appropriate to Central Indiana and beyond. Champions: Bill Conrad and Andrew Hsu Team members: Chairs, and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: ongoing

Actions taken for 2007-2008:

Two new certificate programs have been developed and approved. One is undergraduate certificate in motorsports engineering technology and the other one is graduate level certificate in systems engineering.

Motorsports engineering-BS program has also been approved.

Evidence of Progress for 2007-2008:

Course enrollments for both certificate programs look promising.

Activities planned for 2008-2009:

 We will publicize the Motorsports and Systems Engineering certificates as well as the new BS program in motorsports engineering.

A2. Support and enhance effective teaching.

A2.a. Continue to evaluate and implement teaching and administrative loads based on the expectations for teaching, research, and service. • Champion: H. Oner Yurtseven • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

School was unable to follow the newly approved Faculty Workload Guidelines due to budget constraints for 2006-07 academic year but we returned to regular teaching load for 2007-08.

Evidence of Progress for 2007-2008:

School was able to save on the part-time faculty budget by increasing the teaching loads tremporarily for the full-time faculty.

Activities planned for 2008-2009:

We hope to maintain the reduced teaching loads as the enrollment improved and the school budget looks reasonably good.

A2.b. Increase the use of Oncourse technology in the teaching and learning process. Champion: Bill Conrad Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

School continues encouraging faculty members use Oncourse in spite of challenges and difficulties the Oncourse presents. University Information Technology Services staff work hard to help faculty members.

Evidence of Progress for 2007-2008:

There is an increased use of Oncourse by faculty members as the school has now more mentors assisting new faculty learn how to use Oncourse.

Activities planned for 2008-2009:

Most departments are actively exploring the use of more technology in the classroom. CIT is exploring new frontiers of technology in the classroom such as wireless, PDAs and streaming video.

The computer laboratories in ET basement are now completely furnished with the state of the art computing equipment.

A2.c. Increase support on the use of technology in the teaching and learning process. • Champion: H. Oner Yurtseven • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Assistance is being offered, but without a formal plan or budget. The Computer Network Center (CNC) Help Desk is probably the most utilized conduit for this type of support. Faculty members responsible for Freshmen Learning Community classes are now meeting on a periodic basis to discuss retention issues and best practices.

Evidence of Progress for 2007-2008:

Computer laboratories have extensive usage in the renovated basement area.

Activities planned for 2008-2009:

Now that the ET Basement renovation is complete, the new computer laboratories have better technology support.

A2.d. Increase support for faculty and staff in course preparation. • Champion: H. Oner Yurtseven • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan.

Evidence of Progress for 2007-2008:

No information is yet available.

Activities planned for 2008-2009:

We plan to have a half-time staff member shared with the Center for Teaching and Learning so that we have an in-house Oncourse expert to assist our faculty.

A2.e. Increase participation from each department in programs such those conducted by the Office of Professional Development that emphasize teaching excellence. • Champion: H. Oner Yurtseven • Team Members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Faculty are encouraged to use the services available through OPD. Information, application forms, and announcements are widely disseminated. Dean and chairs meet with each faculty during their probationary period on a yearly basis to put together and implement development plan.

Evidence of Progress for 2007-2008:

The number of faculty preparing proposals for OPD grants and the number of faculty using OPD services have been on the increase.

Activities planned for 2008-2009:

These efforts will continue.

A2.f. Develop a uniform school-wide orientation, training and mentoring program for junior faculty with an emphasis on teaching excellence. • Champion: H. Oner Yurtseven • Team Members: Unit Board for Promotion and Tenure

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

School orientation program for new faculty was again revised.

Evidence of Progress for 2007-2008:

No data available yet.

Activities planned for 2008-2009:

Regular new faculty orientation is annually.

A2.g. Increase the recognition of effective teaching. • Champion: H. Oner Yurtseven • Team Members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning

Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

No action has been taken yet.

Evidence of Progress for 2007-2008:

Activities planned for 2008-2009:

A2.h. Develop a uniform school-wide orientation, training and mentoring program for part-time faculty with an emphasis on effective teaching. • Champion: Bill Conrad • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

School offers orientation at the beginning of each fall and spring semester to all new and continuing adjunct faculty. Adjunct faculty academic manual is revised annually to include new campus policies and emphasis on FERPA regulations.

Evidence of Progress for 2007-2008:

The feedback has been very positive from the adjunct faculty.

Activities planned for 2008-2009:

We plan to survey the adjunct faculty to see how we can improve the orientation and increase the mentoring support during the semester.

A2.i. Maintain life-cycle plan for computer hardware and software. • Champions: Bill Lin and Pat Fox

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

The process of equipment replacement has been slow due to budget limitations.

Evidence of Progress for 2007-2008:

Student feedback has somewhat improved in this area. More funds are needed.

Activities planned for 2008-2009:

We have begun to look at budget restructuring to deal with various future scenarios since the campus no longer supports the life-cycle plan for faculty and staff computers. We also plan to take the issue of Student Technology Fee usage to the Engineering and Technology Student Council to get feedback from our students.

A2.j. Increase the number of faculty and staff who attend engineering and technology education conferences and workshops. • Champion: H. Oner Yurtseven • Team Members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

The travel funds for faculty in the departments have been restored after one year of hold due to budget constraints.

Evidence of Progress for 2007-2008:

No data is available.

Activities planned for 2008-2009:

The travel funds for faculty will be at the same level as 2007-08.

A2.k. Increase the number of faculty and staff who participate in the scholarship of teaching and learning. • Champion: H. Oner Yurtseven • Team members: : Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan.

Evidence of Progress for 2007-2008:

No data is yet available

No data is yet available.

Activities planned for 2008-2009:

Faculty members will be encouraged to use OPD resources and school resources to write proposals for grants towards enhancing their recird of teaching scholarship.

A2.l. Develop a program of faculty conversations on good teaching in the school and in departments. • Champion: H. Oner Yurtseven • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

This is a new objective for the school 2006-09 strategic plan.

Evidence of Progress for 2007-2008:

There is no data available.

Activities planned for 2008-2009:

No activity has been planned so far.

A3. Enhance undegraduate student learning and success.

A3.a. Continue to improve student advising practices. • Champion: Bill Conrad • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

We continue our regular information exchange sessions with the University College advisors.

Evidence of Progress for 2007-2008:

No data available as yet.

Activities planned for 2008-2009:

First Year Student Advising Center was created last year and it operated successfully during 2007-08. We plan to make few changes in the staffing to improve the advising quality.

A3.b. Develop additional technology-based advising tools to assist students in monitoring degree progress. • Champion: Bill Conrad • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Plans of study for all degree programs, including graduate programs, have been coded.

Evidence of Progress for 2007-2008:

Auditing process is now more managable at the department/program and the school levels.

Activities planned for 2008-2009:

More automated degree auditing process will be implemented.

A3.c. Ensure that all programs provide relevant and coordinated course offerings. • Champion: Bill Conrad • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Educational Policy Committee of the Faculty Senate keeps the overlap to minimum. Faculty members responsible for Freshmen Learning Community classes are now meeting on a periodic basis to discuss retention issues and best practices. Ongoing discussions between CIT and CSCI and between ECE and CSCI program occurring to coordinate course and program offerings.

Evidence of Progress for 2007-2008:

All of the course remonstrance cases have been resolved through these meetings.

Activities planned for 2008-2009:

We will encourage the departments/programs to make use of other courses offered by other academic units on campus to avoid duplication and efficient use of resources.

A3.d. Increase the number of undergraduate student involvement in internship, co-op, and research experiences. • Champions: Terri Talbert-Hatch and Andrew Hsu

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

We piloted Internship and Career Planning Course which strives to encourage engineering and technology students in their freshman and sophomore years to consider internship and co-op.
The staff presented in all ENGR 195 and TECH 102 classes to promote internship and co-op.
Career Services conducted monthly internship information sessions for students.
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Evidence of Progress for 2007-2008:

The number of internships for 2007-2008 increased again reaching nearly 350.

Activities planned for 2008-2009:

Coordinate with faculty to require students in ENGR 195 and TECH 102 to register for E&T Careers.
Attend student council meetings on a regular basis.

A3.e. Increase the amount of space for studying, meeting with other students, and working on team projects •Champions: H. Oner Yurtseven and Gail Shiel

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

The student lounge areas on the second and third floors of ET Building have been renovated using the funds from the endowment the school received for this purpose. Our students in Interior Design program used "green design" concept for renovation. Several of our industry partners donated materials, time, and funds for renovation.

Evidence of Progress for 2007-2008:

More students use the newly renovated ET Building lounges.

Activities planned for 2008-2009:

Currently, there is no student lounge area in SL Building. Some benches for sitting and studying were installed in the hallways. There is now more space available in the renovated ET Lower Level.

A3.f. Maintain ABET and other accreditation such as CIDA in applicable programs. • Champion: Bill Conrad • Team members: Department Chairs and Directors, and Sam White

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Currently, all applicable programs have ABET accreditation. Architectural Technology, Computer Engineering Technology, Construction Technology, Electrical Engineering Technology, and Mechanical Engineering Technology programs went through ABET accreditation visit in October 2006 and they all received full six-year accreditation.

Inerior Design Technology program also went through initial accreditation visit by Counvcil of Interior Design Accreditation in fall 2007 and received full six-year accreditation in April 2008.

Evidence of Progress for 2007-2008:

Accreditation status of all our programs are up to date.

Activities planned for 2008-2009:

Preparations are underway for accreditation visit of Computer and Information Technology and Computer Graphics Technology programs.

A3.g. Increase tutoring availability. • Champion: H. Oner Yurtseven • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Each department/program uses part of the allocated budget to hire tutors.

Evidence of Progress for 2007-2008:

Students ask for tutors in several classes that we offer.

Activities planned for 2008-2009:

School will increase the funds for tutoring whenever the budget permits.

A3.h. Expand career planning and placement services for students. •Champion: Terri Talbert-Hatch and Josh Killey

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

School created the Office of Career Services and Professional Development to expand the breadth of professional development opportunities available. Engineering and technology specific workshops were introduced (Career Planning, Career and Internship Resources, Employer Resume Reviews, Mock Interviews, Employer Information Sessions, etc.)
New staff member was hired to increase capacity of the office to try to meet the student, employer, and academic demand.
The office expanded the E&T Career Services system to include career opportunities.
Career Services created and conducted an alumni survey to begin capturing placement information.
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Evidence of Progress for 2007-2008:

Over 160 engineering and technology students participated in on-campus interviews that took place in the office. Over 150 students attended the workshops conducted by the office.

Activities planned for 2008-2009:

Further advance the professional development opportunities to include: additional discipline-specific workshiops, online workshops, alumni mentoring, and career planning courses.
Increase the number of businesses and alumni that come to campus to talk to students about career opportunities.
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A3.i. Improve student laboratory and classroom experiences. • Champion: Bill Conrad • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Equipment in the laboratories are upgraded on a regular basis to the extent the limited budget permits.

Evidence of Progress for 2007-2008:

Activities planned for 2008-2009:

Faculty members regularly prepare and submit equipment proposals to NSF and industry.

A3.j. Improve student retention and graduation rates. • Champion: Bill Conrad • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Improvements in student advising, providing tutors, and recruiting academically better prepared students appear to improve the student retention. Several students were nominated for leaderships awards and recognition. For 2007-08, fifteen of the Top 100 IUPUI students were from the school.

Evidence of Progress for 2007-2008:

Retention rate increased from 71% to 74% for freshman/sophomore students and from 84% to 85% for junior/senior students. The overall increase is from 76% to 79%.

There is also a slight improvement in the graduation rate.

Activities planned for 2008-2009:

Office of Student Services will promote activities on campus that include prospective employers. It will promote student council and other student organizations to students. It will develop a plan to offer scholarships to part-time, high achieving, and current students, and it will work with IUPUI Housing Office to provide theme housing unit (Purdue House) for engineering and technology students.

A3.k. Continue benchmarking with peer universities and use the information in planning. • Champion: Bill Conrad • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

School has been using the benchmarking with the six universities which are IUPUI's peers.

Evidence of Progress for 2007-2008:

The comparative statistics from the peer institutions were used in budget presentations to IUPUI campus administration.

Activities planned for 2008-2009:

Benchmarking with industry has not been attempted yet.

A3.l. Develop a formal honors degree program. • Champion: Bill Conrad and Charles Feldhaus • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: New

Actions taken for 2007-2008:

This is a new objective in the school 2006-09 strategic plan.

Evidence of Progress for 2007-2008:

No data is available yet.

Activities planned for 2008-2009:

No activities have been planned yet.

A3.m. Develop a student development program that enhances student persistence and graduation in areas such as goal setting, motivation, student learning, and study skills. • Champion: Bill Conrad . Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: New

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan.

Evidence of Progress for 2007-2008:

No data is available.

Activities planned for 2008-2009:

Action group will work on this.

A3.n. Increase student participation in professional societies and clubs. • Champion: Bill Conrad • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: New

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan.

Evidence of Progress for 2007-2008:

No data is available yet.

Activities planned for 2008-2009:

Engineering and Technology Student Council will promote this again in 2007-08 and with the planned opening of the Campus Center, student societies in the school are more active.

A3.o. Expand the use of awards and scholarships for continuing students to encourage them to excel. • Champion: Terri-Talbert Hatch and Paula Jenkins • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: New

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan.

Evidence of Progress for 2007-2008:

No data is yet available.

Activities planned for 2008-2009:

School has plans to create additional awards for students that are sponsored by our business and industry partners.

A4. Provide effective support for graduate students and post-doctoral fellows.

A4.a. Increase financial support for graduate students through fellowships and assistantships, etc. • Champion: Andrew Hsu • Team Members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

School continues the plan to offer tuition scholarships to graduate student that will cover the cost difference between the in-state and out-of-state rates. In return, these students assist school for laboratory coverage, tutoring, and grading.

Evidence of Progress for 2007-2008:

The number of applicants and admitted graduate students started increasing.

Activities planned for 2008-2009:

The plan will continue subject to budget conditions.

A4.b. Increase the support for grantsmanship to improve financial support for graduate students and post-doctoral fellows. • Champion: Andrew Hsu • Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan.

Evidence of Progress for 2007-2008:

No data is available.

Activities planned for 2008-2009:

Due to budget constraints, no activities were planned on this.

A4.c. Increase space and fiscal allocations for graduate degree programs. • Champion: Andrew Hsu • Team Members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

The TA positions that were made available to ECE and ME departments for 2005-06 academic year could not be repeated for 2006-07 due to budget constraints but we went to the previous mode for 2007-08.

Evidence of Progress for 2007-2008:

The graduate student headcount increased.

Activities planned for 2008-2009:

If the budget permits, the number of Teaching Assistant positions for engineering departments will be increased in the future and tuition differentials will be covered for full-time RA´s in MS program.

A4.d. Increase marketing efforts locally and internationally to attract highly qualified students. • Champions: Terri Talbert-Hatch and Andrew Hsu • Team Members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

The website have been updated. A group of graduate advisors go to Rose Hulman Institute of Technology every year to recruit new graduate students.

Evidence of Progress for 2007-2008:

Graduate student applications locally increased.

Activities planned for 2008-2009:

1. Promote graduate programs to Central Indiana business and industry.
2. Identify regional universities that have undergraduate programs in E & T and participate in their graduate fairs.

A4.e. Grow the Ph.D. programs and improve the quality of graduate programs • Champion: Andrew Hsu • Team members: Department Chairs and Appropriate Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: New

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan.

Evidence of Progress for 2007-2008:

Activities planned for 2008-2009:

There are some procedural challenges in administering the PhD programs and the school graduate committees will be working with their W. Lafayette counterparts.

A4.f. Increase the number of graduate courses offered. • Champions: Andrew Hsu • Team members: Department Chairs and Directors

Campus Planning Theme:
Secondary Goals:
Sub Unit: None
Time Frame: New

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan.

Evidence of Progress for 2007-2008:

MS-Technology in Facilties Management has been growing in enrollment.

Activities planned for 2008-2009:

New online courses were offered during 2007-08 in MS-Technology program with Facilities Management option.

A4.g. Continue to develop new academic initiatives appropriate to Central Indiana • Champion: Bill Conrad and Andrew Hsu • Team members: Department Chairs and Program Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:

Sub Unit: None
Time Frame: New

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan.

Evidence of Progress for 2007-2008:

No data is available yet.

Activities planned for 2008-2009:

The MS-Technology with Facilities Management option will be launched in fall 2007. It will be entirely online.

A4.h. Provide resources for graduate students to attend national research conferences • Champion: Andrew Hsu • Team Members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: New

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan.

Evidence of Progress for 2007-2008:

No data is available yet.

Activities planned for 2008-2009:

No activities were implemented for 2007-08 due to budget constraints.

B1. Conduct world-class research as evidenced through scholarly and creative activities.

B1.a. Develop and/or maintain department-level research plans • Champion: Andrew Hsu • Team members: Department Chairs and Directors

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

All departments submitted short range and long range research plans. Developed preliminary research plan for the school with priority research areas and projected external funding to 2013.

Evidence of Progress for 2007-2008:

No feedback has been received yet.

Activities planned for 2008-2009:

The plan is being refined and it will be an ongoing activity.

B1.b. Increase funded research with grants or contracts from government agencies, industry, foundations, and/or other organizations. • Champion: Andrew Hsu • Team members: Department Chairs and Directors

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Faculty members were urged to apply for Federal earmark funds. Biomedical Engineering faculty continued submitting proposals to NIH. School continued its strong relationship with Raytheon, Rolls-Royce, Crane, Roche, Cummins, and others continue with frequent visites to industry sites, laboratory tours, faculty projects, and joint research proposals to State and federal agencies. We also arranged several faculty visits and presentations to these partner companies.

Evidence of Progress for 2007-2008:

Research income increased from $5,752,455 in 2006-07 to $6,200,000 in 2007-08. Schoool also received its first federal earmark funding of $1.5M per year for three years from the US Army on renewable energy. The second and third year funds were renewed.

Activities planned for 2008-2009:

A half-time Director of Industry Relations was be hired to increase the number and amount of industry-based research.

B1.c. Attract and retain world-class faculty and staff capable of research, scholarship, and creative activity. • Champion: Andrew Hsu • Team members: Department Chairs and Directors

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: ongoing

Actions taken for 2007-2008:

Some of the cash funds in the school have been used to make the start-up offers to new faculty more attractive. Release time from teaching has been extended to two years for new faculty from the time they are hired. Associate Dean for Research meets with most active research faculty members on individual basis, discusses how to provide service and support for their research. School pays more attention to productive research faculty, their concerns. We promote and publicize school faculty and their research.

Evidence of Progress for 2007-2008:

We were able to recruit one biomedical engineering and one mechanical engineering faculty for 2007-08.

Activities planned for 2008-2009:

We plan to reintroduce the concept of "Faculty Practice Center" in the school which was turned down by the university administration few years ago. We believe that such a center, similar to the ones in existence at the schools of Medicine and Dentistry, will provide additional incentive for higher quality faculty to come to IUPUI.

B2. Provide resources and support for faculty and staff development to increase scholarly activity and external funding.

B2.a. Provide support to attend research-related professional development activities. • Champion: Andrew Hsu • Team members: Department Chairs and Directors

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Every full-time faculty member in each department is given $1,400 annually for professional development activities. More funds may be available at the school level for faculty members who are active in research-related professional activities. About 40% of the indirect cost recovery from a research and grant contract is returned to principal investigators and their departments.

Evidence of Progress for 2007-2008:

Faculty feedback so far has been tolerant and understanding.

Activities planned for 2008-2009:

The current practice was suspended for 2006-07 fiscal year due to budget limitations but it will be restored for 2007-08.

B2.b. Provide mentorship to junior faculty members • Champion: Andrew Hsu • Team members: Department Chairs and Directors

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None

Time Frame: Ongoing

Actions taken for 2007-2008:

Grant writing and budgeting workshops and orientation sessions were conducted for new faculty members.

Evidence of Progress for 2007-2008:

Although the number of research proposals submitted decreased from 81 in 2004-05 to 57 in 2005-06, the total research income increased.

Activities planned for 2008-2009:

Orientation activities and also facilitation of meetings with industry partners and senior research faculty will continue.

B2.c. Provide training for faculty on better proposal writing, etc • Champion: Andrew Hsu • Team members: Department Chairs and Directors

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

School encourages faculty to attend OPD sponsored workshops on proposal writing. At the beginning of every academic year part of the orientation workshop for new faculty includes proposal writing.

Evidence of Progress for 2007-2008:

Only few faculty members used the assistance provided so far.

Activities planned for 2008-2009:

School plans to conduct its own grant writing workshops and seminars for faculty.

B2.d. Provide seed funding for research initiation and proposal generation. • Champion: Andrew Hsu • Team members: Department Chairs and Directors

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

School provided modest support for research initiation as part of the start-up funds.

Evidence of Progress for 2007-2008:

Number of faculty developed full proposals using the seed funds.

Activities planned for 2008-2009:

The number of the research seed awards will not be increased due to budgetary constraints.

B2.e. Adjust teaching and administrative loads based on the expectations for teaching, research, and service to improve research productivities • Champion: H. Oner Yurtseven • Team Members: Department Chairs and Directors

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: New

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan.

Evidence of Progress for 2007-2008:

No data is available.

Activities planned for 2008-2009:

No new initiatives could be planned due to budgetary constraints.

B3. Enhance infrastructure for scholarly activity.

B3.a. Increase and/or reallocate physical space to improve research environment • Champions: Andrew Hsu and Patricia Fox • Team members: Department Chairs and Directors

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Renovation of ET Lower Level provided additional space for the school. The newly formed Space Committee is the lead group studying the space reallocation plans to improve the research environment.

Evidence of Progress for 2007-2008:

Plans have been prepared with participation by department chairs, directors, and research faculty.

Activities planned for 2008-2009:

Several space renovation projects have been launched to be completed sometime during 2008-09 academic year.

B3.b. Continue to enhance research-related resource sharing among departments, schools, and campuses. • Champion: Andrew Hsu • Team members: Department Chairs and Directors

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

The three engineering departments continue sharing the research laboratory space and equipment. The technology departments started participating in this initiative as well.

Evidence of Progress for 2007-2008:

Departments have been consolidating the teaching and research lab spaces.

Activities planned for 2008-2009:

With the completion of ET Lower Level renovation noe there is more research space for biomedical engineering.

B3.c. Increase intellectual property generation and technology transfer through IURTC and other research incubators. • Champion: Andrew Hsu • Team members: Department Chairs and Directors

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: New

Actions taken for 2007-2008:

This is a new objective for 2006-09.

Evidence of Progress for 2007-2008:

Activities planned for 2008-2009:

B3.d. Develop and/or maintain local and national industry relationships and establish long term partnerships • Champion: Andrew Hsu • Team members: Department Chairs and Directors

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Through Dean´s Industrial Advisory Council (DIAC), our research partnership with industry is on the agenda every quarter. DIAC has a research subcommittee working closely with the Associate Dean for Research and Graduate Programs in the school.

Evidence of Progress for 2007-2008:

There are number of research contracts with Rolls Royce and Raytheon.

Activities planned for 2008-2009:

The planning for collaboration with DIAC will continue. School will hire half-time Director of Industry Relations to increase the interaction with our industry partners.

B3.e. Provide resources to increase participation in Undergraduate Research Programs • Champion: Andrew Hsu • Team members: Department Chairs and Directors

Campus Planning Theme: Research, Scholarship and Creative Activity
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan. The Multidisciplinary Undergraduate Research Institute (MURI), established by the Department of Mechanical Engineering has been very successful as number of our undergraduate students and faculty are involved in MURI sponsored activities.

Evidence of Progress for 2007-2008:

MURI has a good record of getting undergradutes involve in research.

Activities planned for 2008-2009:

MURI received additional funding for 2007-08 from campus and therefore there were more activities in this area for 2007-08 and there will be more expansion.

C1. Enhance capacity for engagement.

C1.a. Review promotion and tenure documents to reflect renewed emphasis on civic engagement (e.g. definitions; measurement). • Champion: H. Öner Yurtseven • Team Members: Unit Board for Promotion and Tenure

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Faculty Affairs Committee of the Faculty Senate is still in the process of reviewing the promotion and tenure documents. Civic engagement section will be revised.

Evidence of Progress for 2007-2008:

We expect the revised version of the promotion and tenure document to be available and enforced by 2007-08 academic year.

Activities planned for 2008-2009:

The document will be revisited by the Faculty Senate.

C1.b. Promote school-wide sense of responsibility and awareness of civic engagement. • Champion: Paula Jenkins • Team Members: Department Chairs and Program Directors

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

We want to have a better record keeping and inventory of civic engagement related activities. The IUPUI student chapter of "Engineers Without Borders" was founded.

Evidence of Progress for 2007-2008:

There is more student interest in civic engagement related projects.

Activities planned for 2008-2009:

Organizations such as "Engineers without Borders" will be encouraged to participate in local and international projects.

Organizations such as "Engineers Without Borders" will be encouraged to participate in local and international projects.

C1.c. Increase service-learning opportunities for students. • Champion: Bill Conrad • Team Members: Department Chairs and Directors

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

School used the second "Engaged Department" grant from IUPUI Center for Service Learning to start a pilot EPICS program within CIT. Application was made to Purdue University to be part of the national EPICS Program.

Evidence of Progress for 2007-2008:

At this time, the activities are limited to Departments of Computer and Information Technology and Construction Technology students. With more involvement and engagement with the IUPUI Solution Center, more opportunities will be available for our students.

Activities planned for 2008-2009:

EPICS program will be launched and new student projects will be created using the EPICS guidelines.

C1.d. Increase international outreach efforts. • Champion: Tim Diemer • Team Members: Department Chairs and Program Directors

Campus Planning Theme: Campus Climate for Diversity, Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: New

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan although school has been very active in this area for years.

Evidence of Progress for 2007-2008:

There is an increase in the international student application, admission and enrollment based on the projections for fall 2007.

Activities planned for 2008-2009:

Due to new international student flow from Saudi Arabia and Iran, school plans to have better advising, orientation, and course scheduling infrastructure for international students.

There will be additional international agreements in lace with College of North Atlantic, Canada and Yeditepe University, Turkey.

C2. Increase engagement activities, partnerships, and services.

C2.a. Continue to increase quality and effectiveness relative to advisory boards for each department. • Champion: Paula Jenkins • Team Members: Department Chairs and Directors

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

All programs and departments have working industry advisory groups.

Evidence of Progress for 2007-2008:

Industry advisory groups have been very influential and effective in assisting the department and programs with curricula, intership and coop positions, teaching, and faculty research.

Activities planned for 2008-2009:

We plan to have a better coordination of the meetings of these boards. Once a year, all advisory groups, including Dean´s Industrial Advisory Council and Alumni Board, hold a joint meeting for a half day. This proved to be a useful activity to help school with strategic planning.

C2.b. Increase interaction with local high schools (e.g. student outreach; teacher training). • Champions: Terri Talbert-Hatch and Charles Feldhaus • Team Members: Department Chairs and Directors.

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

School has strong interaction with several area high schools. Faculty and staff visit high schools for career days, technology demonstrations, and guest lectures. Students come for "Friday Labs" to IUPUI and are exposed to experiments, computer hardware and software, and career choices.

School has partnership with IPS, Viola Water Company, and Rolls Royce in creating Pathways to Engineering program. Four elementary schools, Harshman Middle School, and Tech High School. Mathematics and science curricula were developed for 5th and 6th grades. The high school component is Project Lead the Way courses and the middle school link is with "pathway courses".

Evidence of Progress for 2007-2008:

Friday Labs have been very popular among the high school students and the number of high schools involved in

PLTW has increased. Pathways to Engineering program has progressed well from its inception.

Activities planned for 2008-2009:

A project director will be hired funded by the Pathways to Engineering group who will work with partner elementary, middle, and high schools to create relevant engineering oriented projects for students.

C2.c. Increase initiatives and interaction for specific target populations • Champions: Sam White and Patrick Gee • Team Members: Department Chairs and Directors

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan. We initiated the Pathways to Engineering Program with Indianapolis Public Schools and Rolls Royce Corporation where IPS identified one high school, one middle school, and four elementary schools as magnet programs in engineering.

Evidence of Progress for 2007-2008:

No data is yet available.

Activities planned for 2008-2009:

School will continue with its involvement with the Pathways to Engineering Program with IPS.

C2.d. Develop appropriate mechanisms for external requests related to civic engagement to be aligned with School resources and assets. • Champion: Paula Jenkins • Team Members: Department Chairs and Directors

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

School collaborated with the IUPUI Solution Center for student projects and internships.

Evidence of Progress for 2007-2008:

No progress data is yet available.

Activities planned for 2008-2009:

More interaction is planned with the IUPUI Solution Center and the Internship Office.

C2.e. Expand industry partnerships relative to student employment opportunities such as scope and breadth of career fairs, selection as preferred recruitment partner. • Champions: Terri Talbert-Hatch, Josh Killey, and all external advisory board members • Team Members: Department Chairs and Directors.

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

School created the Office of Career Services and Professional Development to expand the existing Internship and Cooperative Education Program to encompass all of Career Services.

New staff member was hired to increase the capacity of the office to market to employers, coordinate employer visits to campus and conduct additional employer site visits.
The office continued to expand the marketing and breadth of the ET Career Connection. Also the new office assisted the IUPUI Solution Center in campus job fairs. Additional job fair opportunities were promoted and announced to students.
The office marketed E&T Careers to employers as a means of accessing students and now alumni. The staff began encouraging employers to post full-time career opportunities in conjunction with the internship and co-op opportunities.
** **

Evidence of Progress for 2007-2008:

Since incorporating career opportunities into the school, the office has posted over 700 engineering and technology specific career opportunities.
The office hosted over 20 companies for on-campus interviews who were recruiting for internship, co-op and career opportunities.   The office expanded the ET Career Connection to include 48 employers. The career services staff visited over 60 employer sites.

Activities planned for 2008-2009:

The office will identify additional means of marketing services to employers.
The office will incorporate a required site visit as an assignment of the Internship and Co-op Courses to increase employer awareness of the new office and provide a chance for staff to inquire about additional opportunities.
The office plans to continue marketing and expanding the ET Career Connection to include companies from every discipline.
** **

C3. Contribute to economic, cultural and civic development of Indianapolis, Central Indiana and the State.

C3.a. Develop a listing of faculty and staff expertise, as well as industry expertise database that is functional and accessible via web delivery. • Champions: Andrew Hsu and Paula Jenkins • Team Members: Department Chairs, Faculty and CNC

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: New

Actions taken for 2007-2008:

This is a new objective for 2006-09 school strategic plan. School´s industry advisory board (DIAC) is involved in this project.

Evidence of Progress for 2007-2008:

No data is yet available.

Activities planned for 2008-2009:

The plan is to finish this project by the end of 2007-08 academic year.

C3.b. Increase involvement in area economic development activities and research parks. • Champion: Andrew Hsu and DIAC • Team Members: Department Chairs and Directors

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

One ME faculty and one CIT faculty members have 20% release time to participate in the Purdue University Technical Assistance Program. They provide free technical consultation in mechanical engineering and information technology areas to small business and industry organizations. Our undergraduate and graduate students take part in these projects.

Evidence of Progress for 2007-2008:

Connection with TAP and IUPUI Solution Center has been successful as Purdue University seeks for additional funds to involve more IUPUI faculty with TAP.

Activities planned for 2008-2009:

We plan to integrate some of the internship opportunities, Technical Assistance Program, and the IUPUI Solution Center projects so that we have a wider base of projects and student population.

C3.c. Develop better ways of identifying new markets and providing unmet needs. • Champions: Andrew Hsu, Terri

Talbert-Hatch and DIAC • Team Members: Department Chairs and Directors.

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

Dean´s Industrial Advisory Council (DIAC) and department/program advisory committees were consulted and surveyed about the new markets. The two areas emerged are motorsports and systems engineering.

School has already developed and received approval for certificate programs in motorsports engineering technology and systems engineering.

Motorsports Engineering Bachelor's degree was approved.

Evidence of Progress for 2007-2008:

Energy Engineering-BS has campus support.

Activities planned for 2008-2009:

Energy Engineering-BS will be developed and sent forward for approval.

C3.d. Develop outreach efforts for specialized populations (e.g. adults with some college but no degree). • Champion: Terri Talbert-Hatch • Team Members: Ivy Tech, Vincennes and IUPUC

Campus Planning Theme: Civic Engagement
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2007-2008:

School continues to provide advising and career counseling for displaced industry workers.

Evidence of Progress for 2007-2008:

The number of adults in this category has been low during the year.

Activities planned for 2008-2009:

Activities planned for 2008-2009:

IUPUI attracts large number of veterans from Iraq and Afghanistan wars returning for educational opportunities.There will be significant portion of these students in our technology programs.

Fiscal Health

Reallocation Plan

Other Question(s)

1. **What are you doing to increase**
   a. **the number of undergraduate degrees your unit grants?**
   b. **the number of undergraduate degrees you grant to low-income students (Pell recipients)?**
   c. **the number of first-time full-time students who complete degrees in four years?**
   d. **the percentage of students completing courses successfully?**
   e. **your research funding?**

Our academic advisors monitor the students in senior standing to make sure that these students register for appropriate courses for timely graduation.

Biomedical engineering program awarded its first BS degrees a year ago. We expect to graduate about 20-25 students per year in the future. Motorsports Engineering-BS program is now approved. We anticipate that the first group will graduate in May 2012. New Energy Engineering-BS program is in the approval process with first group of graduates finishing in May 2013. Thus, in addition to our existing BS programs, these three new degree programs will significantly increase the total number of BS graduates from the school.

The percentage of undergraduate degrees that the school awards to low-income students is about 20% and this increased from 15% from the previous year.

The percentage of the first-time full-time students who complete degrees in 4 years has been low (changing from 4% to 14% for the 2001, 2002, and 2003 cohorts. This percentage, however, increased to 25% for 2004 cohorts and we believe that this is a result of recruiting academically well prepared students and offering them scholarships.

We do not have reliable data on the percentage of students completing courses succesfully.

Our research funding is on the increase exceeding $6M for 2007-08. We continue our recruitment efforts to attract strong faculty with good research potential and track record.

2. **If you had to implement a budget reduction of 3-5% a) what would be your budget priorities and b) what strategies would you employ to walk the fine line of maintaining critical operations and investing in your future? Please describe how faculty will be involved in the decision making process.**

Budget reduction of 3-5% would have a negative impact on the quality of our programs and hamper the investment we plan to make in the new degree programs such as motorsports engineering and energy engineering.

In order to imrove the research funding, we had planned returning portions of the indirect cost recovery and salary savings in grants and contracts to departments and principal investigators. This worked well in the past and provided a meaningful incentive for research faculty. With the potential budget cuts, we will not be able to do this and we would have to use these funds to balance the budget.

Budgetary Affairs Committee of the School Faculty Senate consists of elected faculty members. This committee meets regularly (2-4 times a semester) with the dean and the fiscal officer of the school. School administration provides financial data and annual budget plans to the committee and seeks feedback from the committee members.

3. **Please describe current commitments or plans that require multiple year funding, including the amount of funding required and the length of time the initiative's funding is required.**

Motorsports Engineering program received cash funding from the campus administration. We need this committment continue and increase, whenever possible, so that we may hire additional faculty members. The current funding provides support only for two full-time faculty positions and some modest amount for student projects.

Funding for space renovation in existing buildings (ET and SL) and new funds for the newly planned Multidisciplinary Laboratory and Classroom Building are needed on an annual basis.

School awards over $100K per year for student scholarships. These funds support and match the campus scholarship offeres to academically strong students.

4. **How do you intend to use your reserves over the next four years? Please provide the information by fiscal year.**

School does not have reserve funds other than what the campus requires. If we are allowed to use these reserves, it would primarily be to balance the budget.

5. **What are the current numbers and percentages of tenure-track faculty, clinical faculty, and lecturers in your school? Please describe your plan for allocating new faculty positions so as to influence the number and percentage in each category.**

The faculty count (101) in the school, including the Department of Music and Arts Technology, is as follows:

25 Full Professors (24.7%)
22 Associate Professors (21.8%)
25 Assistant Professors (24.7%)
21 Lecturers (20.8%)
 8 Clinical Faculty (7.92%)

The current mixture is satisfactory at this time. We have room to add few more clinical faculty in appropriate programs to increase project based curricula and service learning.

6. **How do you define return on investment for diversity efforts in your unit (e.g, numbers of faculty/staff/students recruited and retained, grants received for special studies, new teaching methods or courses, placement of graduates, program reputation)? What are you doing to improve your ROI?**

The diversity efforts in the school focus primarily on the recruitment and retention of diverse student body based on the recommendation of the School Diversity Council. Thus, the number and type of students that we recruit and retain is the primary yardstick for us. Getting diversity oriented funding and hiring diverse facuty and staff count toward this primary goal.