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.
- Collaboration & Partnering: We value teamwork, collaboration, and partnership building within and across disciplines and with the community.
- Diversity: 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.
- Professionalism & 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.
- Respect/Colllegiality/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.
- Responsiveness & 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.
- Leadership & 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.
- IUPUI 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 (over 200 associate through doctoral) and 18 schools, IUPUI is Indiana's most comprehensive academic institution and is one of the leading research institutions in the State.

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 2008-2009:**

1. We hosted less high school students this year compared to last year due to travel cutbacks by the local area high schools.
2. We hosted the fifth annual Project Lead the Way Student Conference in collaboration with the Indiana Department of Education in April 2009 with 300+ 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.
4. Close to 20% of direct admits for fall 2008 have taken one or more PLTW courses in high school.

**Evidence of Progress for 2008-2009:**

Our Friday labs still attract attention of high schools. As economy improves, we hope to have more high school student visits.

Project Lead the Way Student Conference attendance stayed around 300.

**Activities planned for 2009-2010:**

1. Continue with the theme oriented Friday labs.
2. Continue with CIT Day hands-on computer and information technology activities on campus as part of Friday labs.
3. PLTW scholarships will be offered to students who complete PLTW courses in high school.


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

**Actions taken for 2008-2009:**

The level of student scholarship funds in the school increased to $300,000 from $120,000 last year. Cummins Corporation continued for a fourth 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 2008-2009:**
Engineering and Technology students received 2 Bepko (5 offeres were made), 3 Hoosier Presidential (4 offers), 1 Plater, 11 Academic Excellence (27 offers), 20 Dean of Faculties (53 offers), and 7 Val/Sal (10 offers) Scholarships for 2008-09 academic year.

Activities planned for 2009-2010:

1. Continue looking for additional funding opportunities for student scholarships.
2. Market scholarship opportunities to prospective donors.
3. Market the scholarship opportunities to prospective students.
4. Increase the school match for number of these scholarships.

For 2009-10, 5 offers went for Bepko, 4 for Presidential, 1 Plater, 10 Val/Sal, 26 Academic Excellence, and 43 for Dean of Faculties scholarships.

☐ 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 2008-2009:

With the efforts of Tom Iseley, Paula Jenkins, and Terri Talbert-Hatch, Clark Dietz Engineers plan to offer scholarships/internships for African American and/or Hispanic students in construction engineering management technology program.

School received 3 year grant from the IU President’s Initiative to provide scholarships, mentoring and tutoring to under-represented students (African American, Hispanic, and females). The funds are $20,000 1st year, $30,000 2nd year, $40,000 3rd year. 14 students have been admitted to Fall 2009 including 4 first year students. We prepared a proposal to Lilly to provide additional support for this program.

Commitment to Engineering Excellence program â€“ This is a continuing program funded by CTE funds. It was a joint proposal with Science and provides $22,000 in scholarships and additional funds for research and internships. We award $2,200 per year to 10 students who apply. The previous 2 years we awarded only to current students. This year we awarded one scholarship to a new student. We will continue to promote this to new students.

POWER camp for girls was conducted again with the support from Midwest ISO and Rolls-Royce. Our successful summer MEAP program continues as well as the Transportation Camp and Pathways to Engineering program.

Evidence of Progress for 2008-2009:
We have more minority students who hold scholarships.

Activities planned for 2009-2010:

We will continue with the summer programs and solicit for funds from business and industry.

☑ 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 2008-2009:

During 2008-09, school offered 113 instate (60 accepted) merit scholarships which was the last year for the First Generation Scholarships. There were 10 out of state offers (6 accepted).

Evidence of Progress for 2008-2009:

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

Activities planned for 2009-2010:

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.c. 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 2008-2009:

We offered supplementary scholarships to campus admission based scholarships in the amount of 50% for all domestic students.
Evidence of Progress for 2008-2009:

For fall 2008, our school admitted 28.8 percent of the Top 10% students and for fall 2009 this increased to 30.1 percent. The average SAT scores in 2008 was 1128 and in 2009 it is 1143.

Activities planned for 2009-2010:

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: Hasan Akay
Team members: Charles Feldhaus and Tim Diemer

Campus Planning Theme: Teaching and Learning

Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2008-2009:

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 admitted into the program.

Evidence of Progress for 2008-2009:

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

Activities planned for 2009-2010:

Department of Computer and Information Technology will add more online course offerings 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 2008-2009:

The Department of Computer, Information, and Leadership Technology (CILT) now offers all of its CIT courses in A5 degree on line and a large number of junior level classes have also online options. 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 2008-2009:

Percentage of student credit hours generated by online courses is now over 12% in the school.

Activities planned for 2009-2010:

We will increase the online course percentage from little over 12% of the total student credit hours to 15%.

☐ 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: Hasan Akay Team members: Department Chairs and Directors

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

Actions taken for 2008-2009:

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 2008-2009:

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

Activities planned for 2009-2010:

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. Increase marketing efforts for academic programs. Champion: Terri Talbert-Hatch. Team members: Hasan Akay and Department Chairs

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

Actions taken for 2008-2009:

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 2008-2009:

Number of incoming freshman for fall 2009 has 15% increase over 2008, 13.8% increase in UC admits, and 5.7% increase in direct admits.
Transfer applicants â€“ 17.8% increase over 2008
Intercampus transfers â€“ 25.7% increase over 2008
Returning students â€“ 8.9% increase.

Activities planned for 2009-2010:

Continue to improve website and make information up to date and relevant.
Actually the exposure of the motorsports program is helping promote the school and the campus.
Marilyn went on a southeast Asia recruitment trip in fall 2009 and again to the Seattle Community College fair.
Began recruitment trips to Puerto Rico in fall 2008. Two prospective students are coming for a visit 11/09.

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 2008-2009:

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.

For 2009-10 admits, the student ambassadors began follow up with admitted students (student to student conversation)
This will continue for 2010 admits and will begin in the fall semester.
Postcard mailings to admitted students have been done as well as Purdue House and register for orientation events.

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Evidence of Progress for 2008-2009:

We do not have any evidence at this point.

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Activities planned for 2009-2010:

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

For fall 2010 admits, two email newsletters per semester will be sent and we will again host a be a college student for a day.

- **A1.1.** 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

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Actions taken for 2008-2009:

We continue to develop and teach more online courses as well as 1 to 2-week courses during the Christmas break, spring break and summer. Computer Graphics Technology offers 8-week courses during fall and spring semesters.

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Evidence of Progress for 2008-2009:

These courses have good enrollment and demand. The 8-week CGT courses have a potential of improving the student retention.

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Activities planned for 2009-2010:

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

- **A1.1.** 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 2008-2009:

Biomedical Engineering Technology-BS program continues developing more courses on the web. The Facilities Management-MS degree program is entirely online.

Evidence of Progress for 2008-2009:

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

Activities planned for 2009-2010:

Music Technology-BS and Music Technology-MS programs will add more online courses.

A1.m. Continue to develop new academic initiatives appropriate to Central Indiana and beyond. Champion: Hasan Akay Team members: Chairs, and Directors

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

Actions taken for 2008-2009:

Music Technology-BS program was approved. Motorsports engineering-BS program has also been approved.

Evidence of Progress for 2008-2009:

Course enrollments for both BS programs look promising.

Activities planned for 2009-2010:

We are waiting for the new Energy Engineering-BS program approval.

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 2008-2009:
School returned to normal Faculty Workload Guidelines for teaching assignments after an increased teaching load in 2006-07 due to budget constraints.

Evidence of Progress for 2008-2009:

With close to normal teaching loads, research and scholarly activities increased as evidenced from the increased number of research proposal submissions.

Activities planned for 2009-2010:

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: Hasan Akay

Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning

Secondary Goals:

Sub Unit: None

Time Frame: Ongoing

Actions taken for 2008-2009:

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. School shared a staff member, Erich Bauer, with UITS to help faculty with the use of Oncourse.

Evidence of Progress for 2008-2009:

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. Addition of Erich Bauer's expertise encouraged more faculty use Oncourse.

Activities planned for 2009-2010:

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. School is in negotiations with UITS to provide more access to technology in return to undergraduate student technology fees.

A2.c. Increase support on the use of technology in the teaching and learning process. Champion: H. Oner Yurtsseven

Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning

Secondary Goals:

Sub Unit: None

Time Frame: Ongoing

Actions taken for 2008-2009:
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 2008-2009:

Computer laboratories have extensive usage in the renovated basement area.

Activities planned for 2009-2010:

Some of the computer laboratories will be turned over to UITS to increase the scope and efficiency of computing access for our students. The negotiations with UITS are underway.

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 2008-2009:

Staff assistance on Oncourse has been available through newly shared staff Erich Bauer.

Evidence of Progress for 2008-2009:

All newly hired faculty use Erich Bauer’s support on Oncourse.

Activities planned for 2009-2010:

We plan to continue with Erich Bauer’s work arrangement between our school and UITS.

A2 e. Increase participation from each department in programs such those conducted by the Center for Teaching and Learning 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 2008-2009:

Faculty are encouraged to use the services available through the Center for Teaching and learning. 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 2008-2009:

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

Activities planned for 2009-2010:

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 2008-2009:

School orientation program for new faculty was again revised.

Evidence of Progress for 2008-2009:

No data available yet.

Activities planned for 2009-2010:

Regular new faculty orientation is done 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 2008-2009:

No action has been taken yet.

Evidence of Progress for 2008-2009:
Activities planned for 2009-2010:

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

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

Actions taken for 2008-2009:

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

Evidence of Progress for 2008-2009:

The feedback has been very positive from the associate faculty.

Activities planned for 2009-2010:

We plan to survey the associate 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. Champion: Bill Lin

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

Actions taken for 2008-2009:

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

Evidence of Progress for 2008-2009:

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

Activities planned for 2009-2010:

With the transfer of the student technology fees to UITS, the budget for faculty and staff computer life-cycle will change. A new planning will be underway.

☐ A2.j. Increase the number of faculty and staff who attend engineering and technology education conferences and workshops. Champion: H. Oner Yurttseven Team Members: Department Chairs and Directors
Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2008-2009:

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

Evidence of Progress for 2008-2009:

Some faculty and staff asked for additional funds after using their allocated funds.

Activities planned for 2009-2010:

The travel funds for faculty will be cut by 50% for 2009-10 due to mandate by the State and the university.

☑ A2.1. 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 2008-2009:

Faculty are encouraged to increase their activities in this area as the campus expectations for "excellence" and "satisfactory" performance in teaching have changed.

Evidence of Progress for 2008-2009:

Both the department and school promotion and tenure boards raised the performance expectations in this area for promotion and tenure.

Activities planned for 2009-2010:

Faculty members will be encouraged to continue using Center for Teaching and Learning resources and school resources to write proposals for grants towards enhancing their record of teaching scholarship.

☑ A2.1. 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
Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2008-2009:

Regionally and nationally known experts and speakers were invited as guest speakers for fall and spring convocations to address faculty and staff in these areas.

Evidence of Progress for 2008-2009:

Speakers from Purdue University presented their findings.

Activities planned for 2009-2010:

More speakers will be invited for faculty and staff convocations.

A3. Enhance undergraduate student learning and success.

A3.a. Continue to improve student advising practices. Champion: Hasan Akay Team members: Department Chairs and Directors

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

Actions taken for 2008-2009:

The second year of Academic Advising Center for New Students saw some improvements and alignment to serve more first year students from our technology programs.

Evidence of Progress for 2008-2009:

All plans of studies have been coded for advisors and transition from first year advising to departmental advising appears to work well so far.

Activities planned for 2009-2010:

We plan to provide additional staffing and resources for the Academic Advising Center.

A3.b. Develop additional technology-based advising tools to assist students in monitoring degree progress. Champion: Hasan Akay Team members: Department Chairs and Directors
Actions taken for 2008-2009:

The coding for both graduate and undergraduate plans of study for all degree programs have been completed.

Evidence of Progress for 2008-2009:

Degree auditing process and academic progress monitoring are now more manageable at the department/program and the school levels.

Activities planned for 2009-2010:

Additional improvements in degree auditing process will be sought.

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

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

Actions taken for 2008-2009:

Undergraduate Education 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, CGT and Informatics, and between ECE and CSCI program occurring to coordinate course and program offerings.

Evidence of Progress for 2008-2009:

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

Activities planned for 2009-2010:

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 Hasan Akay

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

[ 13 ]
Actions taken for 2008-2009:

To increase involvement in internships

- Teaching and/or overseeing 2 sections per semester of crosslisted course TCM299/CIT310 "course increases interest and involvement through career and company research, resume preparation, and mock interviews by employers"
- Site visits of current interns "this promotes an on-going relationship between the school and the employer. NEW THIS YEAR " Site visits of dual degree students in the summer prior to their registration for internship course. This practice allowed us to visit Cook Medical, Batesville Casket, etc. On-line student profiles with photos of students and quotes "to promote interest for students and employers alike"

To increase career planning and placement services

- Career Services personnel attended Fall 2009 Industrial Roundtable at Purdue "West Lafayette " to seek additional leads
- Career Services personnel spoke at SWE Regional Conference in February 2009
- Planned for summer 2010 " ET Career Camp " one-week intensive career search strategy workshop for May 2010 grads. This was attempted in May 2009 but was canceled due to low enrollment.
- New worksheets developed for job search strategies, interview preparation, and resume planning. The ET Career Connection drew approximately 600 students (a record) and 44 employers (down from last year, but impressive in today’s economy). Mock telephone interviews are again being offered as a way to help our students better prepare and get the onsite interviews.

Evidence of Progress for 2008-2009:

The number of internships for 2008-2009 stayed flat due to economic downturn.

Activities planned for 2009-2010:

The Career Services Office will continue providing more services to our students and graduates.

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

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

Actions taken for 2008-2009:

We provided additional study areas in the basement and first floor of ET Building for students.
Evidence of Progress for 2008-2009:

More students use the newly renovated ET Building lounges.

Activities planned for 2009-2010:

Planning has started for the new IUPUI Laboratory Building where we anticipate additional space for student projects and team work.

☑ A3 f. Maintain ABET and other accreditation such as CIDA and NASM in applicable programs. Champion: Hasan Akay
Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning

Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2008-2009:

Self-study documents were prepared for initial ABET accreditation of CIT-BS and CGT-BS programs. Similarly, self-study documents were prepared for initial accreditation of Music Technology program by NASM.

Evidence of Progress for 2008-2009:

Accreditation status of all our programs are up to date.

Activities planned for 2009-2010:

Preparations are underway for accreditation visit of Computer and Information Technology and Computer Graphics Technology programs. The self-study documents for Biomedical Engineering, Computer Engineering, Electrical Engineering, and Mechanical Engineering will be prepared during 2009-10.

☑ 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 2008-2009:

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

Evidence of Progress for 2008-2009:

Students ask for tutors in several classes that we offer.
Activities planned for 2009-2010:

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 2008-2009:

School had created the Office of Career Services and Professional Development two years ago 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.

Career Services Staff made presentation at regional SWE Conference in February 2009.

Evidence of Progress for 2008-2009:

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 2009-2010:

Further advance the professional development opportunities to include: additional discipline-specific workshops, 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.

To increase career planning and placement services

- Career Services personnel will attend Fall 2009 Industrial Roundtable at Purdue "West Lafayette" to seek additional leads.

- Planned for summer 2010 "ET Career Camp" one-week intensive career search strategy workshop for May 2010 grads. This was attempted in May 2009 but was canceled due to low enrollment.

- New worksheets developed for job search strategies, interview preparation, and resume planning.
The ET Career Connection drew approximately 600 students (a record) and 44 employers (down from last year, but impressive in today’s economy). Mock telephone interviews are again being offered as a way to help our students better prepare and get the onsite interviews.

A3 i. Improve student laboratory and classroom experiences. Champion: Hasan Akay Team members: Department Chairs and Directors

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

   **Actions taken for 2008-2009:**

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

   **Evidence of Progress for 2008-2009:**

   Accreditation visitors have positive comments about our laboratories.

   **Activities planned for 2009-2010:**

   Faculty members regularly prepare and submit equipment proposals to NSF and industry. The newly approved "Program Fee" charged to our majors will provide new funds for laboratory equipment update.

A3 j. Improve student retention and graduation rates. Champion: Hasan Akay Team members: Department Chairs and Directors

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

   **Actions taken for 2008-2009:**

   Improvements in student advising via the New Student Academic Advising Center, providing tutors, and recruiting academically better prepared students improved the student retention. Several students were nominated for leaderships awards and recognition. For 2008-09, eighteen of the Top 100 IUPUI students were from the school.

   **Evidence of Progress for 2008-2009:**

   Retention rate increased from 75% to 78% for freshman/sophomore students and from 82% to 85% for junior/senior students. The overall increase is from 80% to 82%.

   There is also a slight improvement in the graduation rate.
Activities planned for 2009-2010:

Office of Student Services will continue promoting activities on campus that include prospective employers. It will continue promoting student council and other student organizations to students. It will continue developing 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: Hasan Akay Team members: Department Chairs and Directors

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

Actions taken for 2008-2009:

School has been using the benchmarking with the six universities which are IUPUI’s peers as selected by the IU Board of Trustees.

Evidence of Progress for 2008-2009:

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

Activities planned for 2009-2010:

Benchmarking with industry has not been attempted yet.

☑️ A3.1. Develop a formal honors degree program. Champion: Hasan Akay Team members: Department Chairs and Directors

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

Actions taken for 2008-2009:

This is a new objective in the school and it has not been implemented yet.

Evidence of Progress for 2008-2009:

No data is available yet.
School will now work with the new Honors College established at IUPUI.

☐ 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: Hasan Akay Team members: Department Chairs and Directors

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

Actions taken for 2008-2009:

This is a new objective which has not been implemented yet.

Evidence of Progress for 2008-2009:

No data is available.

Activities planned for 2009-2010:

The new Associate Dean for Academic Affairs and Undergraduate Programs will put together a plan on this.

☐ A3.n. Increase student participation in professional societies and clubs. Champions: Hasan Akay and Terri Talbert Hatch Team members: Department Chairs and Directors

Campus Planning Theme: Teaching and Learning

Secondary Goals:
Sub Unit: None
Time Frame: New

Actions taken for 2008-2009:

The big event was SWE hosting the regional conference. The membership in SWE increased (and they received an award at the National Conference in October) by the region for the largest growth in a student organization. SHPE has an active student organization and held two soccer tournaments to raise exposure.

Motorsports Club had 2 entries in Purdue Grand Prix qualifying first and 2\textsuperscript{nd} but neither team finished the race. All students that receive scholarships from the school are now required to attend one student organization meeting.
Evidence of Progress for 2008-2009:

Activities planned for 2009-2010:

Ice Cream social to promote student organizations in fall semester
ETSC now requires all student organizations to be represented in meetings to receive funding and they each report out on upcoming activities.
A web template is being designed for use by all student organizations.
Student council has proposed that the open space on the first floor turn into an office and space for student organizations.
ETSC will continue to provide up to $1500 for student organizations to attend professional conferences.

☐ A3.0. 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 2008-2009:

This objective has not been fully implemented yet. The number of recognitions and awards to students have increased for Honors Convocation and we promote more of our students to compete for the IUPUI Top 100 Student Awards.

Evidence of Progress for 2008-2009:

No data is yet available.

Activities planned for 2009-2010:

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: Hasan Akay
  Team Members: Department Chairs and Directors
  Campus Planning Theme: Teaching and Learning
  Secondary Goals:
Actions taken for 2008-2009:

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 2008-2009:

The number of applicants and admitted graduate students increased.

Activities planned for 2009-2010:

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 2008-2009:

School hired part-time technical communication faculty to support grant writing.

Evidence of Progress for 2008-2009:

Several new faculty used this support.

Activities planned for 2009-2010:

We plan to continue this for 2009-10.

A4.c. Increase space and fiscal allocations for graduate degree programs. Champion: Hasan Akay Team Members: Department Chairs and Directors
Campus Planning Theme: Teaching and Learning
Secondary Goals:
Sub Unit: None
Time Frame: Ongoing

Actions taken for 2008-2009:
School provided $180K match for the campus Block Grant for graduate programs.

Evidence of Progress for 2008-2009:

The graduate student headcount increased.

Activities planned for 2009-2010:

If the budget permits, the number of Teaching Assistant positions for 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: Hasan Akay
Team Members: Department Chairs and Directors

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

Actions taken for 2008-2009:

School organizes annual Graduate Open House and the staff of the Graduate Programs Office go to nearby graduate recruitment fairs at Purdue University, WL and Rose Hulman.

Evidence of Progress for 2008-2009:

Graduate student enrollment increased from 203 to 243.

Activities planned for 2009-2010:

Continue promoting graduate programs to Central Indiana business and industry. 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: Hasan Akay
Team members: Department Chairs and Appropriate Directors

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

Actions taken for 2008-2009:
Special arrangements have been negotiated with Purdue University, WL to provide flexibility in administering PhD programs in engineering.

Evidence of Progress for 2008-2009:

Number of PhD students increase in BME, ECE, and ME programs.

Activities planned for 2009-2010:

There are additional procedural challenges in administering the PhD programs and the school graduate committees will be working with their W. Lafayette counterparts. Designation of the PhD degrees is also topic of discussion between IUPUI and Purdue University, WL.

☑ A4.f. Increase the number of graduate courses offered. Champions: Hasan Akay Team members: Department Chairs and Directors

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

Actions taken for 2008-2009:

With the start of the MS program in Technology, the number of graduate course offerings increased.

Evidence of Progress for 2008-2009:

Student credit hours in graduate courses increased from 2,704 in 2006-07 to 2,977 in 2007-08.

Activities planned for 2009-2010:

More streamlining of graduate course offerings will be planned due to resource scarcity.

☑ A4.g. Continue to develop new academic initiatives appropriate to Central Indiana Champion: Hasan Akay Team members: Department Chairs and Program Directors

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

Actions taken for 2008-2009:

Motorsports Engineering-BS and Music Technology-BS programs are now in place.
Evidence of Progress for 2008-2009:

Both motorsports engineering and music technology programs have good student interest.

Activities planned for 2009-2010:

New Energy Engineering-BS program is in the approval process.

☑ A4.h. Provide resources for graduate students to attend national research conferences Champion: Hasan Akay Team Members: Department Chairs and Directors

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

Actions taken for 2008-2009:

School does not have sufficient resources to implement this. Faculty members with research grants assist their graduate students.

Evidence of Progress for 2008-2009:

Research faculty support few of their students with travel.

Activities planned for 2009-2010:

No new resources will be available from the school for this.

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

☑ B1.a. Develop and/or maintain department-level research plans Champion: Hasan Akay 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 2008-2009:

All departments have long range research plans. Dean's Industrial Advisory Council (DIAC) Research Subcommittee reviewed the research plans for biomedical engineering, electrical and computer engineering, mechanical engineering, and engineering technology departments during the past two years. DIAC members provided feedback and guidance to improve the plans.
Evidence of Progress for 2008-2009:
The feedback from DIAC has been very supportive and constructive.

Activities planned for 2009-2010:
The remaining department will also prepare detailed research plans to be reviewed by DIAC.

- B1.b. Increase funded research with grants or contracts from government agencies, industry, foundations, and/or other organizations. Champion: Hasan Akay 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 2008-2009:
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. We continue with frequent visits 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.

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

Evidence of Progress for 2008-2009:
Research income increased from $6.2M in 2007-08 to $7.2M in 2008-09. School also received second year of its first federal earmark funding of $1.5M per year for three years from the US Army on renewable energy.

Activities planned for 2009-2010:
The goal is set to increase the external grants to a $10M level.

- B1.c. Attract and retain world-class faculty and staff capable of research, scholarship, and creative activity. Champion: Hasan Akay 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 2008-2009:
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 2008-2009:

We were able to recruit one biomedical engineering, one mechanical engineering, two engineering technology, one computer graphics technology, and one interior design technology faculty for 2008-09.

Activities planned for 2009-2010:

Three additional faculty searches will be conducted during 2008-09.

☐ 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: Hasan Akay 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 2008-2009:

Every full-time faculty member in each department is given $1,350 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. Some of the salary savings from grants and contracts and smaller portion of the indirect cost recovery from research and grant contracts are returned to principal investigators and their departments for this purpose.

Evidence of Progress for 2008-2009:

Faculty feedback so far has been positive.

Activities planned for 2009-2010:

The current practice of giving indirect cost recovery funfs and some salary savings had been suspended for 2008-09 fiscal year due to budget limitations but some of it will be restored for 2009-10.

☑ B2.b. Provide mentorship to junior faculty members Champion: Hasan Akay 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 2008-2009:
Grant writing and budgeting workshops and orientation sessions were conducted for new faculty members.

Evidence of Progress for 2008-2009:
The number of research proposals submitted increased in 2008-09.

Activities planned for 2009-2010:
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: Hasan Akay 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 2008-2009:
School encourages faculty to attend campus sponsored workshops on proposal writing. At the beginning of every academic year part of the orientation workshop for new faculty includes proposal writing. School also hired part-time technical communication faculty who helps with proposal writing.

Evidence of Progress for 2008-2009:
Almost all new faculty members used the assistance provided so far.

Activities planned for 2009-2010:
School plans to continue conducting its own grant writing workshops and seminars for faculty as well as continuing with the arrangement of having part-time technical communication faculty helping with proposal writing.

☑ B2.d. Provide seed funding for research initiation and proposal generation. Champion: Hasan Akay 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 2008-2009:
School provided modest support for research initiation as part of the start-up funds for newly hired faculty.
Evidence of Progress for 2008-2009:

Most of the faculty members developed full proposals using the seed funds.

Activities planned for 2009-2010:

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

☑️ B2.c. Adjust teaching and administrative loads based on the expectations for teaching, research, and service to improve research productivities. Champion: H. Oner Yurteven 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 2008-2009:

Newly hired tenure-track faculty are given release time from teaching for two years to launch their research activities. Mid career faculty may apply for sabbatical or release time for research and approvals are considered on a case by case basis.

Evidence of Progress for 2008-2009:

The policy appears to work as the School has fewer failures of promotion and tenure as compared to several years ago.

Activities planned for 2009-2010:

Research incentives of returning salary savings and indirect cost recovery funds will be used in a limited fashion depending on the budget availability.

☑️ B3. Enhance infrastructure for scholarly activity.

☑️ B3.a. Increase and/or reallocate physical space to improve research environment Champions: Hasan Akay and Rich Pile
   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 2008-2009:

Renovation in ET and SL Buildings continued to consolidate the teaching laboratories and converting some of them to research laboratories. The Space Committee of the school is the lead group studying the space reallocation plans to improve the research environment further.
Evidence of Progress for 2008-2009:

With the exception of two new faculty members, we were able to provide adequate research space for research-active faculty.

Activities planned for 2009-2010:

More space renovation projects have been launched to be completed sometime during 2009-10 academic year.

☑ B3 b. Continue to enhance research-related resource sharing among departments, schools, and campuses. Champion: Hasan Akay 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 2008-2009:

The three engineering departments continue sharing the research laboratory space and equipment among themselves. The technology departments started participating in this initiative as well. School routinely share laboratory space with Medicine.

Evidence of Progress for 2008-2009:

Departments have been consolidating the teaching and research lab spaces.

Activities planned for 2009-2010:

We will be working with the School of Science to develop a program for the new IUPUI Laboratory Building.

☑ B3 c. Increase intellectual property generation and technology transfer through IURTC and other research incubators. Champion: Hasan Akay 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 2008-2009:

Collaboration continues with IURTC for invention disclosure and patent applications. Faculty members are encouraged to transfer the technology from university to commercial arena. The research and development activity of one of the school faculty, Ali Jafari, paid off handsomely for Indiana University when the ANGEL software was sold to Blackboard, Inc. for $100M. The university, together with IURTC, received around $24M. The School share of these funds is still under discussion and approval by the university president.

Evidence of Progress for 2008-2009:
School ranks second at IUPUI after the School of Medicine in terms of patents and innovation disclosures.

Activities planned for 2009-2010:

The example of Angel’s success through the work of Dr. Ali Jafari will motivate other faculty members in commercializing their inventions and research products.

☑️ B3. d. Develop and/or maintain local and national industry relationships and establish long term partnerships

Champion: Joe Abella
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 2008-2009:

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 2008-2009:

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

Activities planned for 2009-2010:

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

☑️ B3. e. Provide resources to increase participation in Undergraduate Research Programs

Champion: Hasan Akay
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 2008-2009:

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. MURI received base funds from the campus and increased its scope to include faculty and staff participation from other schools on campus.
Evidence of Progress for 2008-2009:

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

Activities planned for 2009-2010:

MURI will merge with the campus center to expand its activities and connection to RISE initiative.

☐ 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. Oner 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 2008-2009:

Faculty Affairs Committee of the Faculty Senate is still in the process of reviewing the promotion and tenure documents. Most parts of the document are being revised.

Evidence of Progress for 2008-2009:

We expect the revised version of the promotion and tenure document to be available by the end of 2009-10 academic year.

Activities planned for 2009-2010:

The document will be revisited by the Faculty Senate.

☑ C1.b. Promote school-wide sense of responsibility and awareness of civic engagement. Champions: Hasan Akay and 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 2008-2009:

We want to have a better record keeping and inventory of civic engagement related activities. Office of the Academic Programs started monitoring and making inventory of these activities. There will also be connection to the campus RISE initiative.
Evidence of Progress for 2008-2009:

There is more student interest in civic engagement related projects. School introduced additional service learning and experiential learning related courses.

Activities planned for 2009-2010:

All student organizations such as will be encouraged to participate in local and international projects.

☑ C1.c. Increase service-learning opportunities for students. Champion: Hasan Akay Team Members: Department Chairs and Directors

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

Actions taken for 2008-2009:

School continued and expanded the activities of Global Design Studio which brings in students from number of national and international universities. Service learning projects in Mexico and Thailand were launched.

Evidence of Progress for 2008-2009:

There is greater student interest based on the number of students applying for these programs.

Activities planned for 2009-2010:

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

☐ C1.d. Increase international outreach efforts. Champion: Hasan Akay Team Members: Tim Diemer, 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 2008-2009:

School articulated and executed 2+2 programs in computer, electrical, and mechanical engineering fields with University of Tehran. Almost 40 students transferred to IUPUI to complete their BS degrees at IUPUI.

Evidence of Progress for 2008-2009:

The school has the largest percentage (12%) of the international students on campus.
Activities planned for 2009-2010:

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

☐ C2. Increase engagement activities, partnerships, and services.

☐ C2.a. Continue to increase quality and effectiveness relative to advisory boards for each department. Champions: Joe Abella and Paula Jenkins Team Members: Department Chairs and Directors

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

Actions taken for 2008-2009:

All programs and departments have working industry advisory groups.

Evidence of Progress for 2008-2009:

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

Activities planned for 2009-2010:

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 Felsman Team Members: Department Chairs and Directors.

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

Actions taken for 2008-2009:

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 2008-2009:

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 2009-2010:

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 terri Talbert Hatch
Team Members: Department Chairs and Directors

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

Actions taken for 2008-2009:

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. We are in the process of establishing 2+3 program in pre-engineering with Ivy Tech State College, Indianapolis. We anticipate that there will be significant minority students in this pool.

Evidence of Progress for 2008-2009:

School ran workshops for Pathways to Engineering teachers as well as fifth and sixth grade students in target elementary schools during the past two summers.

Activities planned for 2009-2010:

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.

Champions: Paula Jenkins and Joe Abella
Team Members: Department Chairs and Directors

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

Actions taken for 2008-2009:

School continues collaboration with the IUPUI Solution Center for student projects and internships. Individual business
and industry partners are also solicited for student projects.

Evidence of Progress for 2008-2009:

All departments have civic engagement related student projects.

Activities planned for 2009-2010:

More interaction is planned with the IUPUI Solution Center, the Career Placement Office, and our industry partners.

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 2008-2009:

School created the Office of Career Services and Professional Development last year 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 2008-2009:

Since incorporating career opportunities into the school, the office has posted over 600 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 44 employers. The career services staff visited over 60 employer sites.

Activities planned for 2009-2010:
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: Hasan Akay and Joe Abella Team Members: Department Chairs, Faculty and CNC

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

Actions taken for 2008-2009:

School's industry advisory board (DIAC) is involved in this project but there was not much progress during the year.

Evidence of Progress for 2008-2009:

No data is yet available.

Activities planned for 2009-2010:

The plan is to finish this project by the end of 2009-10 academic year.

C3.b. Increase involvement in area economic development activities and research parks. Champion: Hasan Akay, Joe Abella, and DIAC Team Members: Department Chairs and Directors

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

Actions taken for 2008-2009:

One ME faculty and one CIT faculty continued with 20% release time to participate in the Purdue University Technical Assistance Program. They provided 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 2008-2009:

Connection with TAP and IIHRH Solution Center has been successful.
Activities planned for 2009-2010:

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: Hasan Akay, 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 2008-2009:

Dean’s Industrial Advisory Council (DIAC) and department/program advisory committees were consulted and surveyed about the new markets. The areas that emerged were motorsports engineering and energy engineering.

School received approval for BS in motorsports engineering and energy engineering-BS is pending approval.

Evidence of Progress for 2008-2009:

Motorsports Engineering has already attracted number of new students (both in-state and out-of-state).
   Energy Engineering-BS has campus support.

Activities planned for 2009-2010:

Energy Engineering-BS will be approved and we will start marketing this degree program.

☐ 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 2008-2009:

School continues to provide advising and career counseling for displaced industry workers.
Evidence of Progress for 2008-2009:

The number of adults in this category has already enrolled in the school.

Activities planned for 2009-2010:

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) How are you dealing with the projected base budget reductions for 2009-10 and 2010-11?

- How will the projected base reductions affect your ability to deliver your current level of services to students and faculty? Will some planned initiatives related to teaching and learning, research and scholarship, and civic engagement have to be delayed or terminated?
- If your unit experienced enrollment increases during the Summer II and/or fall terms, how have you used the additional revenue?

The school base budget for 2009-10 expanded due to three factors; tuition increase, enrollment increase, and introduction of a new program fee for all majors in the school as a result of consolidating the non-tuition fees. Therefore, the base budget reduction of $396K for 2009-10 as projected by the IUPUI Budget Office will be absorbed within the new increased base budget. The amount of base reduction for 2010-11 for the school is not known yet and it is not clear if the available excess base will be sufficient to cover the reduction.

The projected base reductions will affect all of the school activities in teaching, research, and engagement areas. The plans to hire additional faculty members for the new Motorsports Engineering program and pending Energy Engineering program are now on hold. The plans of returning some of the indirect cost recovery funds from the grants and contracts to PI's and departments to energize additional research will also be delayed. School will continue depending on more part-time faculty teaching.

School experienced increased enrollment during Summer II and fall terms. Additional revenues were directed to increasing new student scholarship matches, paying additional part-time faculty members, and renovation of research laboratories.

2) To achieve the campus goal of doubling the numbers of undergraduate students completing baccalaureate degrees, and to increase the number graduating in four years, what changes have you implemented or planned to implement in course scheduling, curriculum, student support etc.?

The school efforts to increase the numbers of BS degrees have been limited to overall retention efforts. The school average for retaining students going from freshmen to sophomore has been around 75% and from junior to senior has been around 84%. By improving these numbers, school hopes to increase both the four year and six year graduation rates.

School had initiated 5-year BS/MS options in electrical, computer, and mechanical engineering few years ago for academically well prepared students. It appears that the number of students choosing these options are on the rise especially for the students who receive prestigious campus scholarships such as Bepko, Presidential, and Plater scholarships.

3) Do you currently have
• school-based space and
• centrally-scheduled space

to support an increase in credit hours without a significant investment? Are you investigating methods to use space more effectively
a. on Fridays and weekends?
b. with online/hybrid/distance education course offerings?
c. by developing larger classrooms?

School does not have space to support an increase in credit hours and it relies on the campus teaching space both on the main campus and on satellite teaching facilities in the north and south of Indianapolis.

School implemented the following steps to increase the student credit hours:

• Department of Design and Communication Technology introduced 4-week courses.
• Organizational Leadership and Supervision Program offers late-start (12- and 8-week) courses.
• Computer and Information Technology Program offers late-start (12- and 8-week) courses.
• School leverages OnCourse to provide more hybrid course offerings, thereby using on-campus space for more engaging student learning and using OnCourse to disseminate content in asynchronous ways.
• Technology courses are being offered at Park 100 and scheduled for Greenwood.
• School offers several components of the M.S. in Technology on the weekend; plans are underway to offer the entire M.S. in Technology via OnCourse and weekend options.
• To serve veterans, school will apply for an NSF grant related to innovations in education, curriculum, and infrastructure to be able to redesign some courses to accommodate unique veteran needs.
• To serve adult learners, school is leveraging existing Organizational and Leadership degrees and certificates to be offered in accelerated formats at Greenwood and Park 100. The initiative being developed is Adult Programs in Leadership for Undergraduate Students (A-PLUS) and is designed to be a competitive response to other market entrants (e.g. University of Phoenix and Indiana Wesleyan University).

4) What are your priorities for student technology support, and what progress has been made as you have worked with UITS staff this year to implement your technology plans?

As a result of the reallocation of the undergraduate student technology fees from schools to UITS, the school had worked with UITS administrators to put together a transition plan. The draft memorandum of understanding is now in its final stages. Based on this, six school based computing laboratories will be turned over to UITS for a period of three years for UITS to provide the equipment upgrade, computing service and maintenance for the use of these laboratories. The agreement will be in effect starting July 1, 2010.